ACTi

Connecting Vision

ACTi Co. Ltd @ 2013

By

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Agenda

ACTi
Connecting Vision

- About Acti and product portfolio
- Why Go IP?
- Acti IP Hardware solution
- Acti IP software Solution
- Win projects with Acti!

ACTi Briefing

ACTi
Connecting Vision

- Incorporation Date: September 11th, 2003
- Headquarter: Taipei, Taiwan
- Branch Office:
  - **Irvine, U.S.,**
- Employee: 300+

Hawaii Airport

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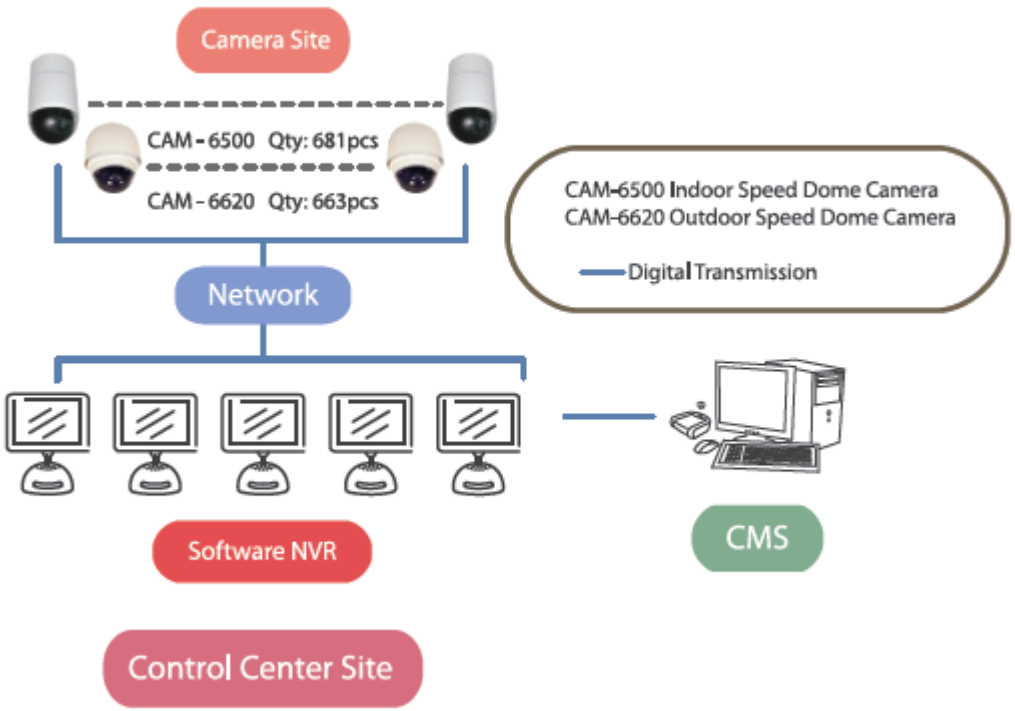

Software: Genetec

Hardware:

CAM-6500N x 681 pcs
CAM-6620N x 663 pcs

KSA
Kingdom Saudi University

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System design

Hardware: **Over 1300** x ACTi camera

- ACM-3311
- ACM-5711
- CAM-6620

KING SAUD UNIVERSITY

Miyahuna Jordan Water Company

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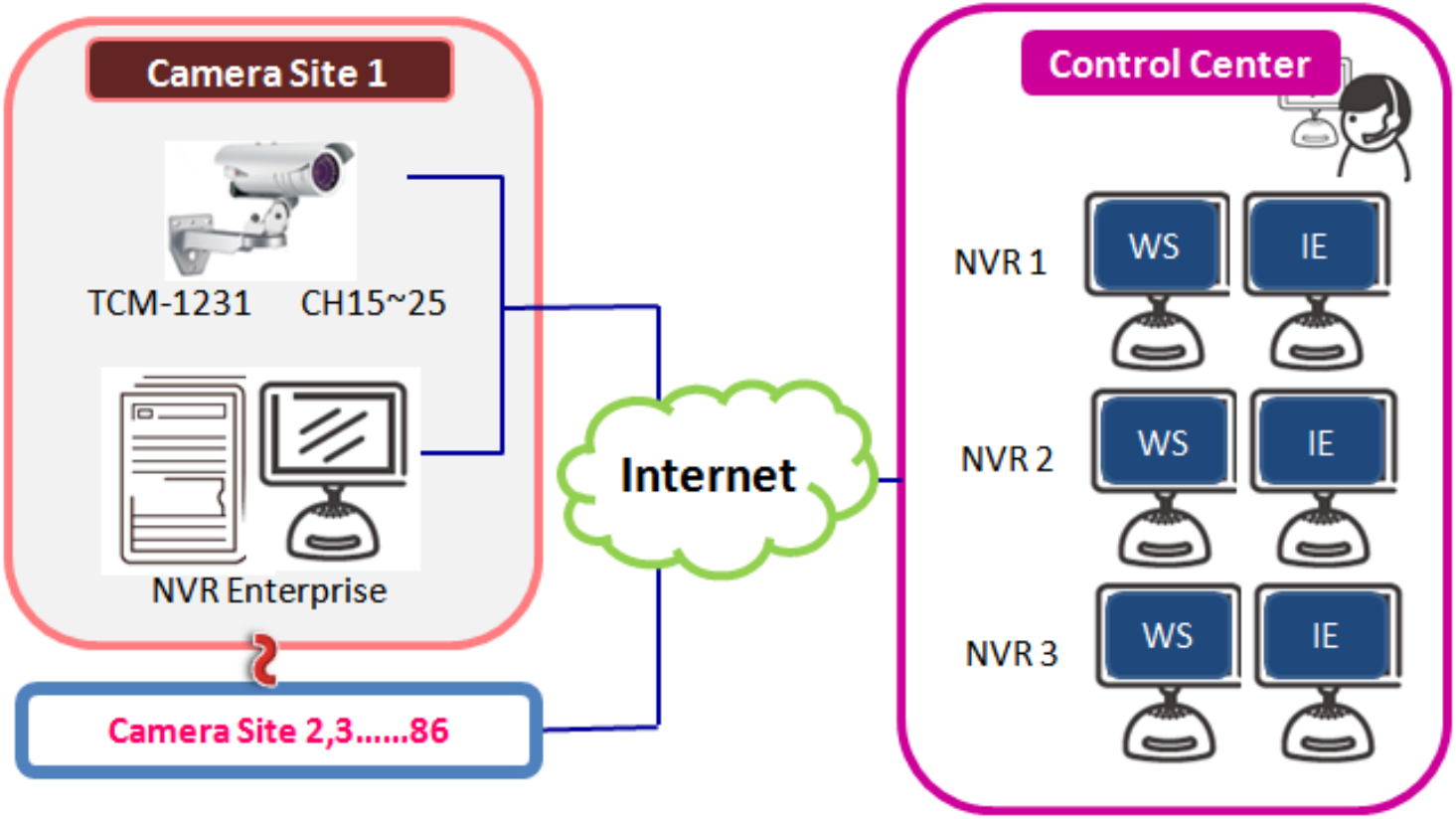
- Over 1300 camera
- ACTI unified solution



Puerto Rico City Surveillance

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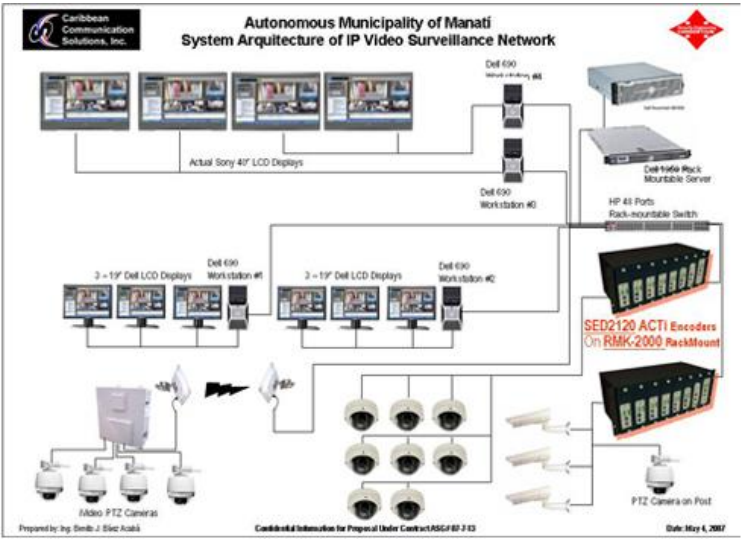
Caribbean Communication Solutions, Inc.
Autonomous Municipality of Manati
System Arquitecture of IP Video Surveillance Network
Actual Sony 40" LCD Displays
Dell 690 Workstation #0
HP 48 Ports Rack-mountable Switch
3 - 19" Dell LCD Displays
Dell 690 Workstation #1
3 - 19" Dell LCD Displays
Dell 690 Workstation #2
SED2120 ACTi Encoders On RMK-2000 RackMount
Video PTZ Cameras
PTZ Camera on Post

Location: **USA**

End User: Puerto Rico Police Department, Departments of Health, Public Utilities,

Number of Channels: 1700

Solution: **Pure IP solution**

Why choose ACTi?

- ACTi'sseamless integration and plug-and-play compatibility with other key technologies components of the engineered solution

Why Acti

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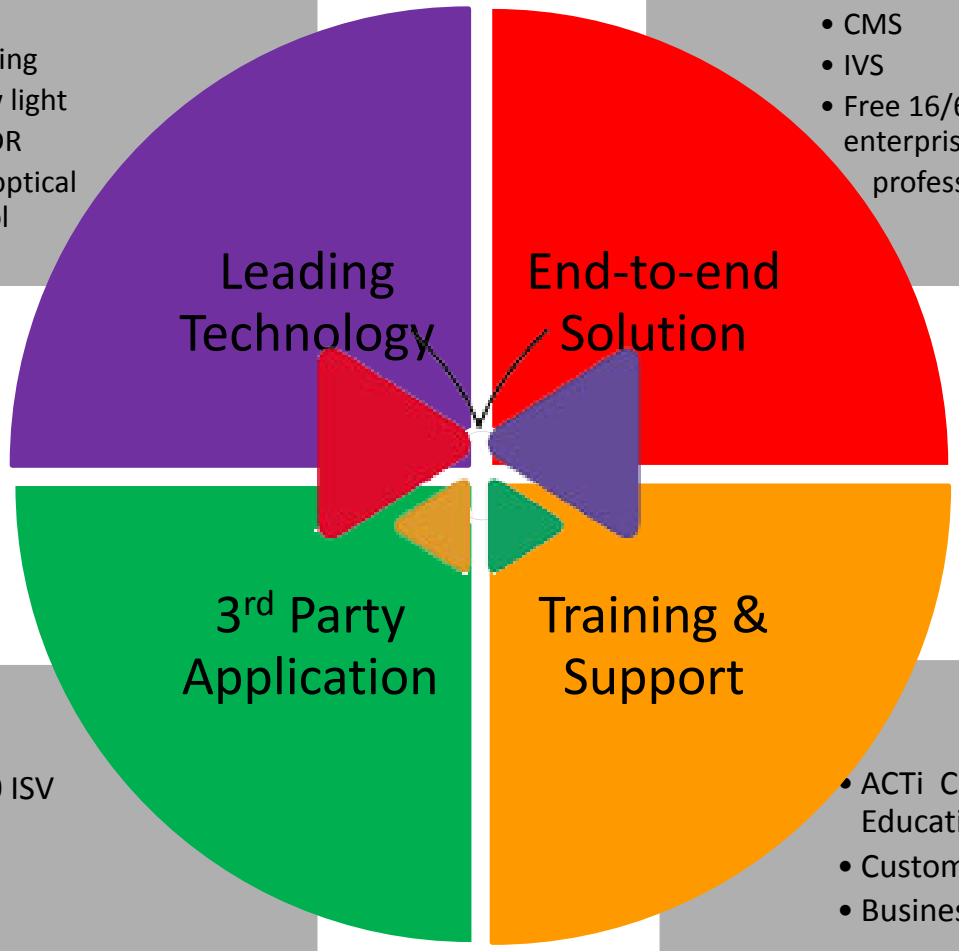
- 1 Megapixel to 5Megaixel
- Duel Streaming
- Superior low light
- Superior WDR
- Auto focus/optical zoom control

- NVR
- CMS
- IVS
- Free 16/64CH enterprise / professional edition



- WW top 50 ISV support

- ACTi Certified Education
- Customer Help Desk
- Business Guide

Why Acti

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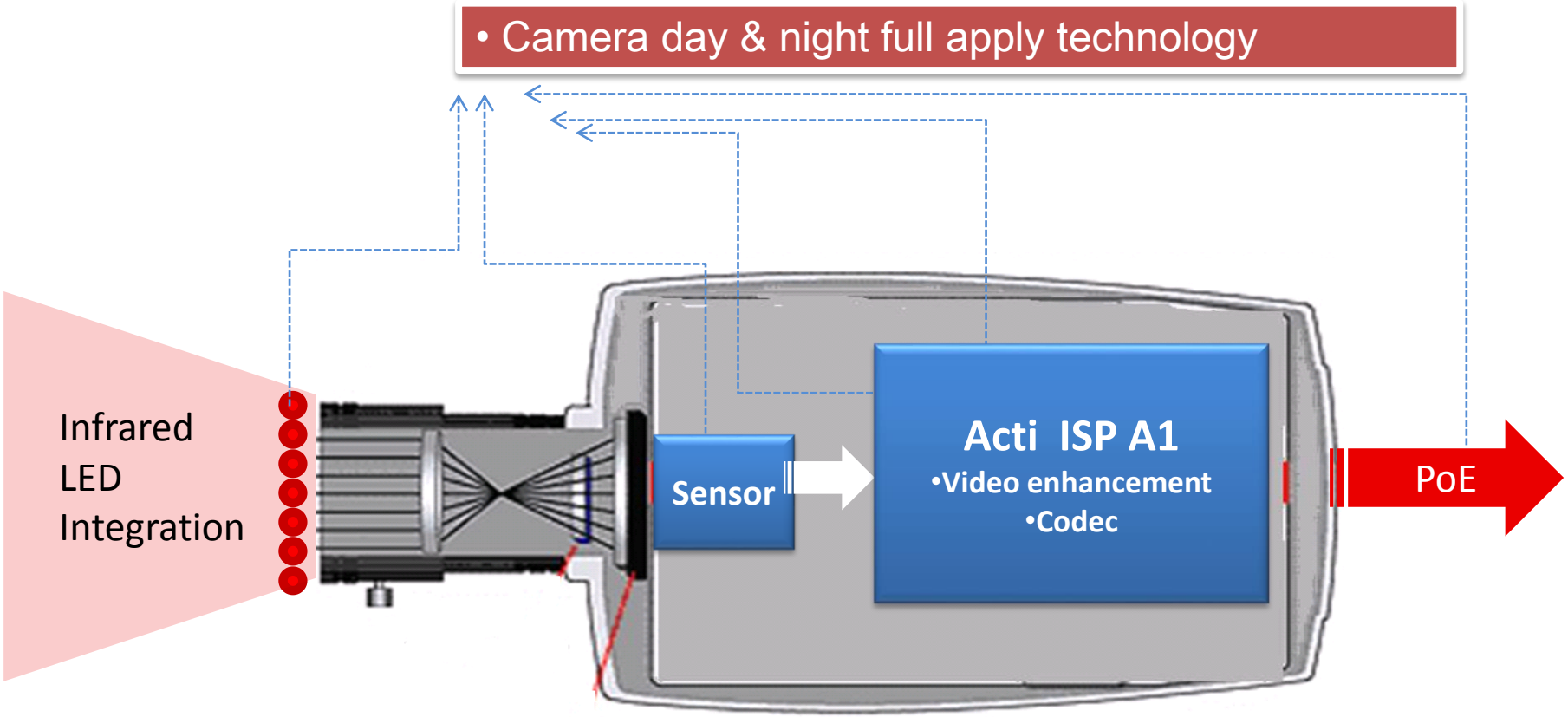
Technology Breakthrough



Why Acti

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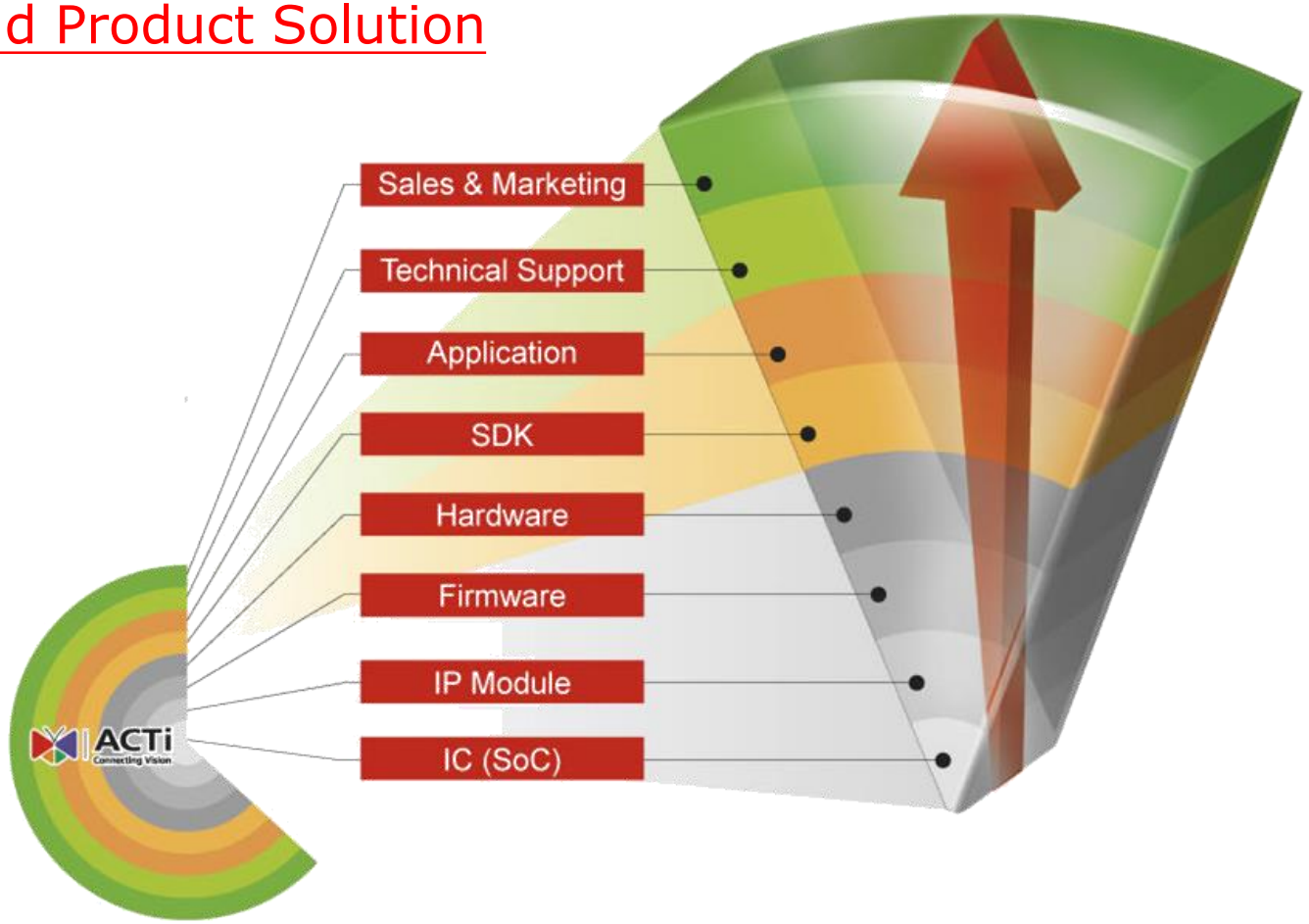
Develop and Unify Solution Building Blocks
Provide End-to-end Product Solution



Customer Profile

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ACTi Solution Covers 80%+ of Client Requirements

Top
4F
3F
2F
1F
Basement

Platform Driven

BOSCH Genetec Honeywell LENEL milestone

Quality/Solution Driven

SONY make.believe
AXIS COMMUNICATIONS
milestone
SeeTec Software for Video Security
Panasonic ideas for life
MIRASYS

Price Driven

VIVOTEK BUILT WITH RELIABILITY
Luxriot
HIKVISION
ZONEMINDER

2013

4F
3F
2F
1F
Basement

Hardware Solution 2013

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Discovery series

or

- 1/3MP
- FX/VF LENS
- DNR
- Less Cost

Essential series

or

- 1/2/3/5MP
- FX/VF LENS
- Basic/Superior WDR
- DNR
- Low light Sensitivity

KCM Series

- 2/4MP
- Optical zoom
- Auto focus
- ExDR(WDR)
- 2D+3D DNR
- Low light Sensitivity
- Fisheye/PTZ

VMS solution 2013

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SW NVR

A. NVR 3.0
Enterprise

B. NVR 2.3
Enterprise

C. NVR 2.3
Professional

CMS

A. CMS 2.0
(New for NVR 3.0, available in Q2)

B. CMS 1.1
(old, for NVR 2.3)

HW NVR
for SMB

A. 4 ch NVR

B. 9ch NVR

C. 16ch 2 bays NVR

D. 16ch 4 bays NVR

HW NVR

GNR-3000

(64 ch free bundle)

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Why Going IP?

What Benefit Acti provides from IP Solution?

Full System Integration

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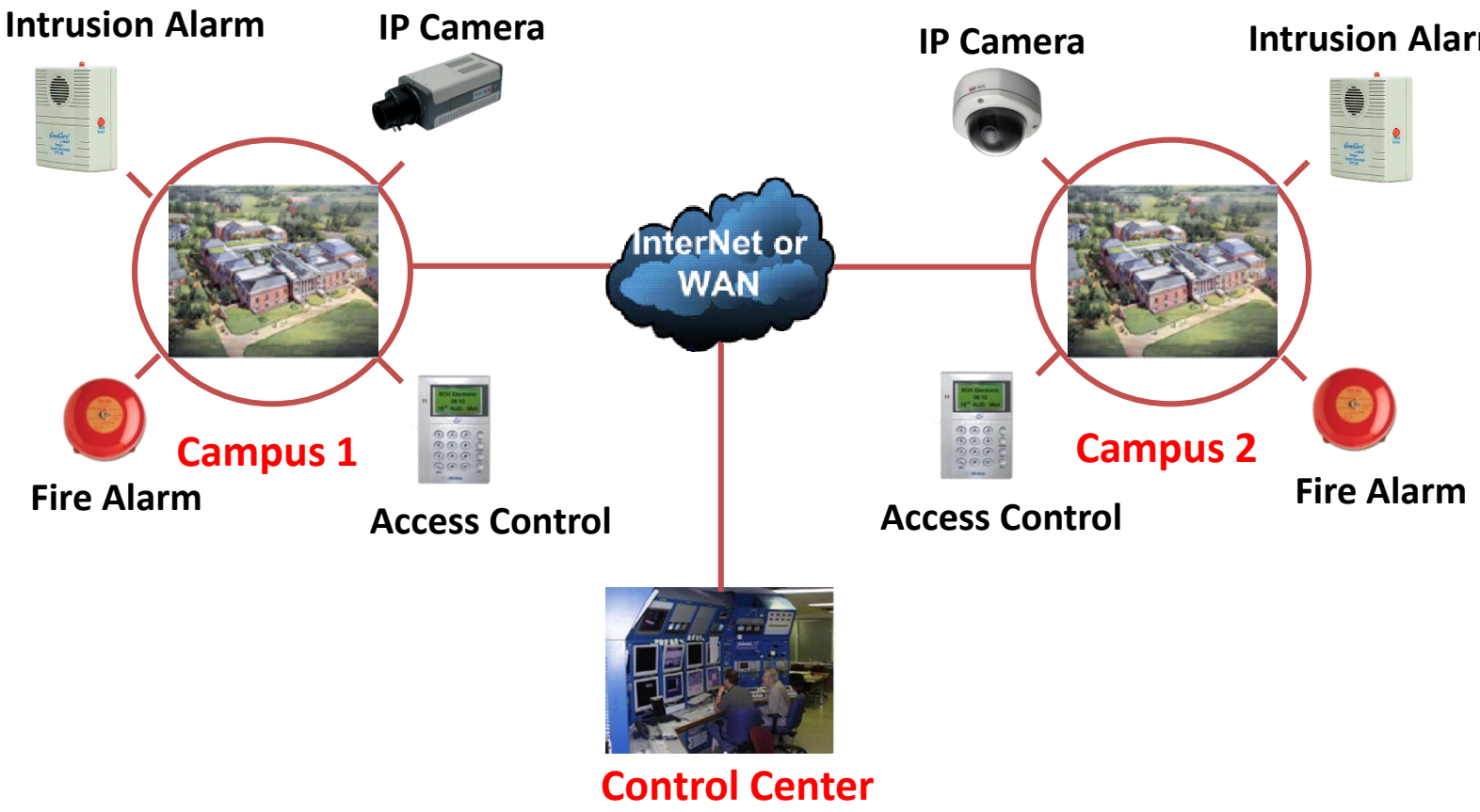

- Multiple functions
- Multiple locations
- One control center

Flexible Scalability

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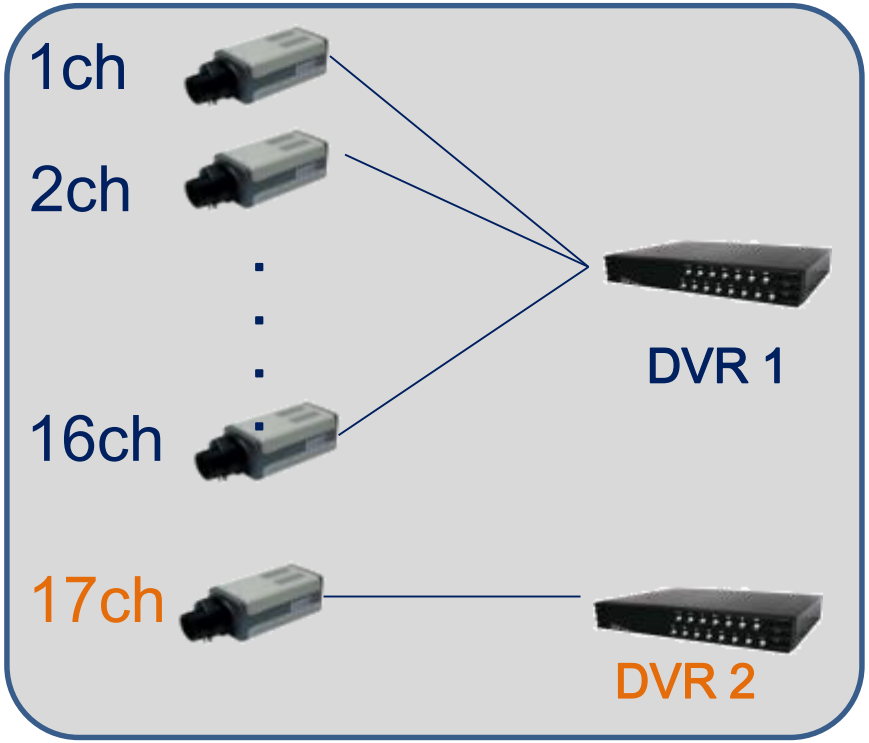
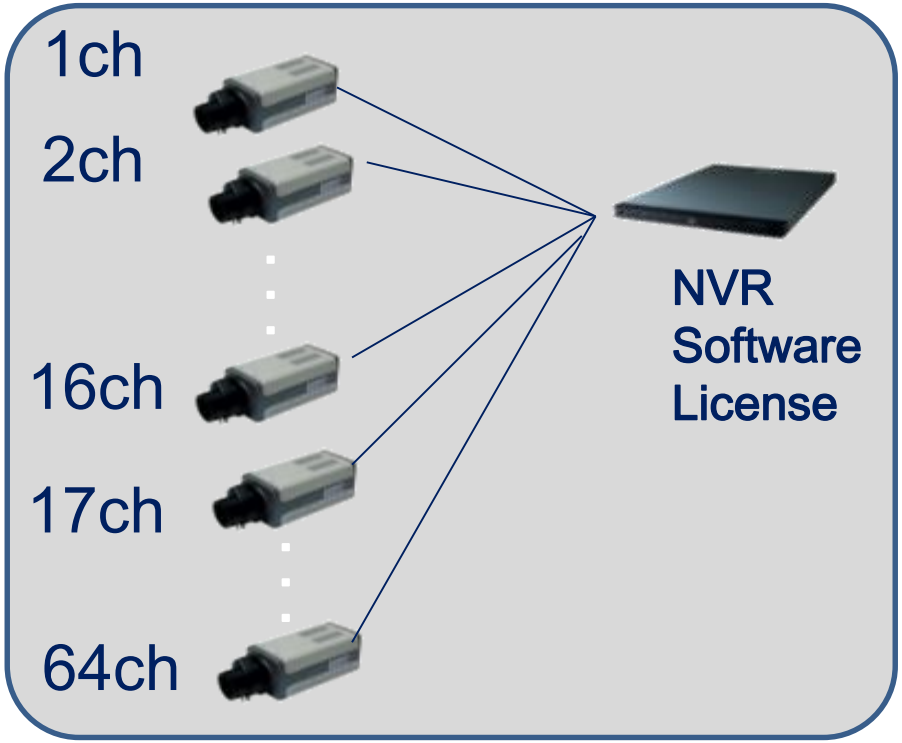
Analog System



IP System



DVR	Buy another DVR for **17th** or **33rd** or **49th** cameras
NVR	Add cameras licenses up to 64 ch – no additional hardware!

IP Lower Total Cost of Ownership

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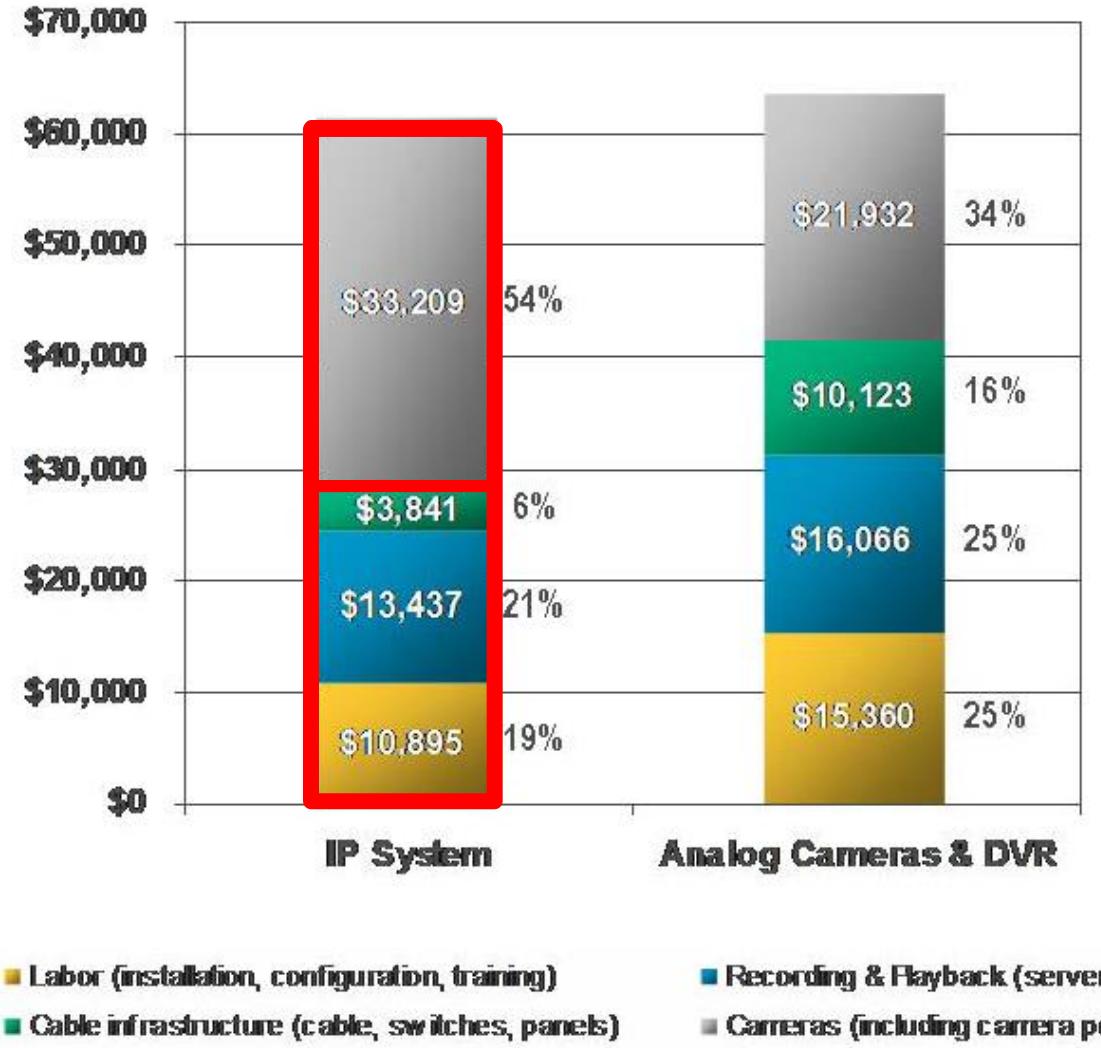

40 cameras

Source: Axis Whitepaper, 2007

Hardware Solution

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Discovery series

or

- 1/3MP
- FX/VF LENS
- DNR
- Less Cost

Essential series

or

- 1/2/3/5MP
- FX/VF LENS
- Basic/Superior WDR
- DNR
- Low light Sensitivity

KCM Series

- 2/4MP
- Optical zoom
- Auto focus
- ExDR(WDR)
- 2D+3D DNR
- Low light Sensitivity
- Fisheye/PTZ

D/E Series Naming

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Model Name	1st Number	Type of camera	
	1	Cube	
	2	Box	
	3	Fx Bullet	
	4	VF Bullet	
	5	Fx Dome	
	6	VF Dome	
	7	Vandal proof Fx Dome	
	8	Vandal proof VF Dome	
	9	Mini Dome	

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Essential Series

2 way audio (Selected model)	WDR/SWDR	1/2/3/5MP
SLLS sensor	SDHC card slot (selected Model)	2 years + warranty

Essential Series

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Product segment	Color camera			True D/N Camera			Superior WDR Camera		SLLS Camera	
Resolution	1MP	3MP	5MP	1MP	3MP	5MP	1MP	3MP	1MP	2MP
Cube	E11	E12	E13							
Box				E21/ E21v		E22/ E22v		E24		E23
FX Bullet				E31	E32	E33		E34		
VF Bullet				E41	E42	E43	E45	E46		E44
FX Dome	E51			E52	E53	E54				
VF Dome				E61	E62	E63	E64	E65	E66	E67
FX OD dome				E71	E72	E73		E74		
VF OD Dome				E81	E82	E83	E85	E86		E84
Mini Dome	E91	E92								

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Discovery Series

- 1/3MP
- SLLS sensor
- Fx/VF lens
- SDHC card slot (selected Model)
- One year warranty

Discovery Series

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Product segment		Color camera		True D/N camera		SLLS camera	
Resolution		1MP	3MP	1MP	3MP	1MP	2MP
Type	Cube	D11	D12				
	Box			D21/D21v	D22/D22v		
	FX Bullet			D31	D32		
	VF Bullet			D41	D42		
	FX Dome	D51	D52	D54	D55		
	VF Dome			D64	D65	D61	D62
	FX OD dome			D71	D72		
	VF OD Dome			D81	D82		

Superior Low Light Sensor Application (SLLS)

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Wide Dynamic range

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Restore the detail in high contrast light condition

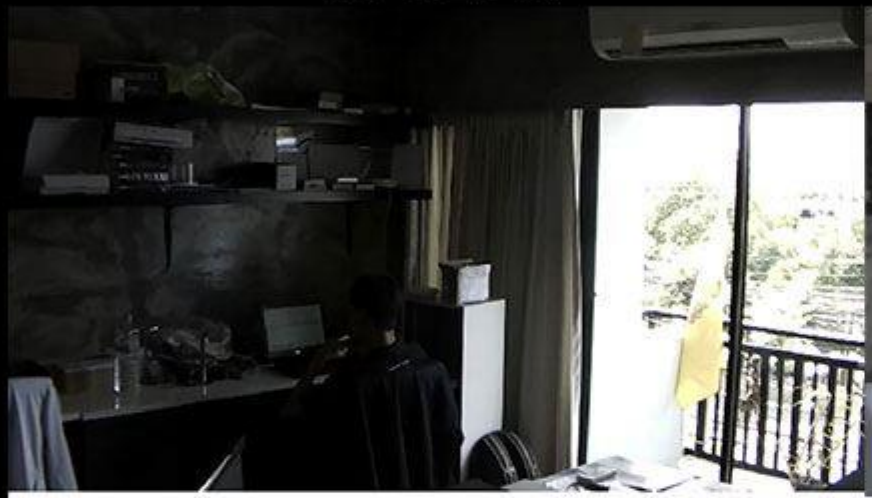
WDR OFF

WDR ON

Extreme Dynamic Range Feature Comparison

ในสภาวะแสงที่มีความแตกต่างกันมากฟังก์ชัน xDR ที่เหนือกว่า WDR(Wide Dynamic Range ในรุ่นปกติ)
xDR จะทำให้เห็นภาพที่ย้อนแสงได้อย่างชัดเจน

xDR LOW



- [x] Video Flipping
- [x] Video Mirroring
- Brightness 50
- Contrast 66
- Saturation 24
- Digital Noise Reduction 4
- 3D Noise Reduction ON
- Edge Enhancement 104
- ExDR Target Level 10
- Defogging 2

Restore image settings to default

Apply Reset

xDR HIGH

- [x] Video Flipping
- [x] Video Mirroring
- Brightness 50
- Contrast 66
- Saturation 24
- Digital Noise Reduction 4
- 3D Noise Reduction ON
- Edge Enhancement 104
- ExDR Target Level 225
- Defogging 2

Restore image settings to default

Apply Reset

E1x/D1x Cube

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Resolution	• 1MP(720P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Audio	• Built in Mic (E-series) • Audio output(E-series)
Image processor	• WDR (E-series) • DNR
Lens	• Fixed lens • Inter changeable lens(E-series)

	Essential Model	Discovery Model
1MP	E11	D11
3MP	E12	D12
5MP	E13	

Application: Retail shop, Classrooms, Office, Call Center

E2x/D2x Box

ACTi
Connecting Vision

Resolution	• 1MP(720P) • 2MP(1080P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Image Processor	• WDR (E-series) • DNR
Bundle Lens	• Fixed lens 4.2mm • Varifocal lens 2.8-12 DC Iris
SLLS sensor	• Superior low light sensor
SWDR	• Superior WDR

	Essential Model	Discovery Model
1MP	E21F/V	D21F/V
5MP	E22 F/V	D22F/V
SLLS 2MP	E23	
Superior WDR 3MP	E24	

Application: street surveillance, Factory, warehouse.

E3x/D3x Fx Bullet

ACTi
Connecting Vision

Resolution	• 1MP(720P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Image processor	• WDR (E-series) • DNR
Lens	• Fixed lens
Day/Night	• IR LED
Weather proof	• IP66 housing bundled

	Essential Model	Discovery Model
1MP	E31	D31
3MP	E32	D32
5MP	E33	

Application: Parking lot, surroundings

E4x/D4x VF Bullet

ACTi
Connecting Vision

Resolution	• 1MP(720P) • 2MP(1080P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Image processor	• WDR(E-series) • DNR
Lens	• Varifocal lens
Day/Night	• IR LED
Weather proof	• IP66 housing bundled

	Essential Model	Discovery Model
1MP	E41	D41
3MP	E42	D42
5MP	E43	
SLLS 2MP	E44	
SWDR 1MP	E45	
SWDR 3MP	E46	

Application: street surveillance, warehouse, factory

E5x/D5x Fx Dome

ACTi
Connecting Vision

Resolution	• 1MP(720P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Image processor	• WDR **(E-series)** • DNR
IR Cut D/N	• IR DOME camera

	Essential Model	Discovery Model
1MP Color	E51	D51
3MP Color	-	D52
1MP IR	E52	D54
3MP IR	E53	D55
5MP IR	E54	

Application: office, call center, hotel, enterprise building.

E6x/D6x VF Dome

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Resolution	• 1MP(720P) • 2MP(1080P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Image processor	• WDR **(E-series)** • DNR
Lens	• Varifocal lens
IR Cut D/N	• IR DOME camera
Edge Storage	• SDHC card slot

Application: Lobby, bank, office

	Essential Model	Discovery Model
1MP IR	E61	D64
3MP IR	E62	D65
5MP IR	E63	-
SWDR 1MP IR	E64	-
SWDR 3MP IR	E65	-
SLLS 1MP	E66	D61
SLLS 3MP	E67	D62

E7x/D7x Vandal proof Fx Dome

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Connecting Vision

Resolution	• 1MP(720P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Image processor	• WDR (E-series) • DNR
Lens	• Fixed lens (2.93mm)
IR Cut D/N	• IR DOME camera
Edge storage	• SDHC Card slot
Vandal Proof	• Vandal proof/IP66

	Essential Model	Discovery Model
1MP IR	E71	D71
3MP IR	E72	D72
5MP IR	E73	
SWDR 3MP IR	E74	

Application: bank, parking building

E8x/D8x VF
Vandal proof Dome

ACTi
Connecting Vision

Resolution	• 1MP(720P) • 2MP(1080P) • 3MP • 5MP
FPS	• 720P/1080P: 30fps • 3MP/5MP: 15fps
Image processor	• WDR (E-series) • DNR
Lens	• Varifocal lens
IR Cut D/N	• IR DOME camera
Edge storage	• SDHC card slot
Vandal proof	• Vandal proof/IP66

	Essential Model	Discovery Model
1MP IR	E81	D81
3MP IR	E82	D82
5MP IR	E83	
SWDR 1MP IR	E85	
SWDR 3MP IR	E86	
SLLS 1MP	E84	

Application: cashier counter, campus surroundings

E9x Mini Fx Dome

ACTi
Connecting Vision

Resolution	• 1MP(720P) • 3MP
FPS	• 720P/1080P: 30fps
Image processor	• WDR • DNR
Lens	• 2.93mm lens
Edge Storage	• SDHC card slot

	Essential Model	Discovery Model
1MP	E91	-
3MP	E92	-

Application: Retail shop, Classrooms, Office, Call Center

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KCM series

- Optical zoom
- Auto Focus
- PTZ
- Fisheye

KCM Series

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Product Type	Optical zoom/Auto focus		Fisheye
Resolution	2MP	4MP	4MP
Indoor Box		KCM-5211	
Indoor Dome		KCM-3311	KCM-3911
Outdoor Box	KCM-5611	KCM-5211E	
	KCM-5511		
Outdoor Dome		KCM-7311	KCM-7911
Indoor PTZ	KCM-8111		
Outdoor PTZ	KCM-8211		

In/Outdoor Hemispheric Camera

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Panoramic	• 180° / 360° degree viewing angle • ePTZ
4 MP	• 4MP 6fps; 1080pHD 12fps • Fish Eye Lens f1.05mm/F2.8 • 1561 TVL
6xVGA	• 6 cropped regions replaces 6 VGA cameras
Image Processor	• **AWDR , 2D+3D DNR** • **Defogging** • **Edge enhancement** • **Adaptive Profile**

KCM-3911

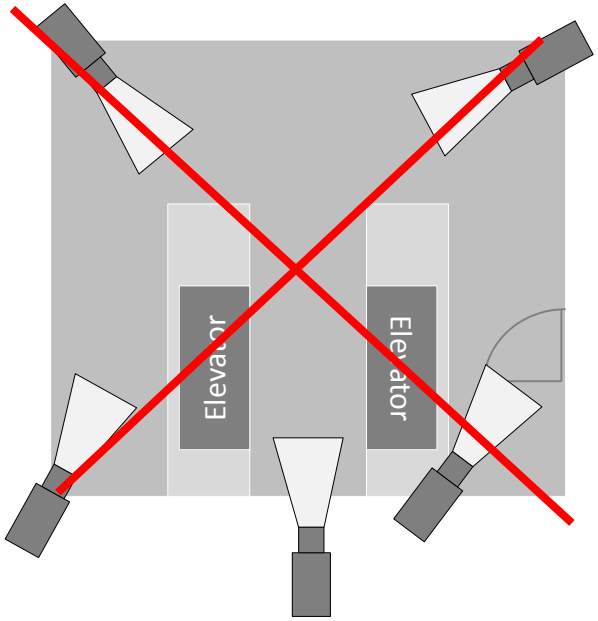
KCM-7911

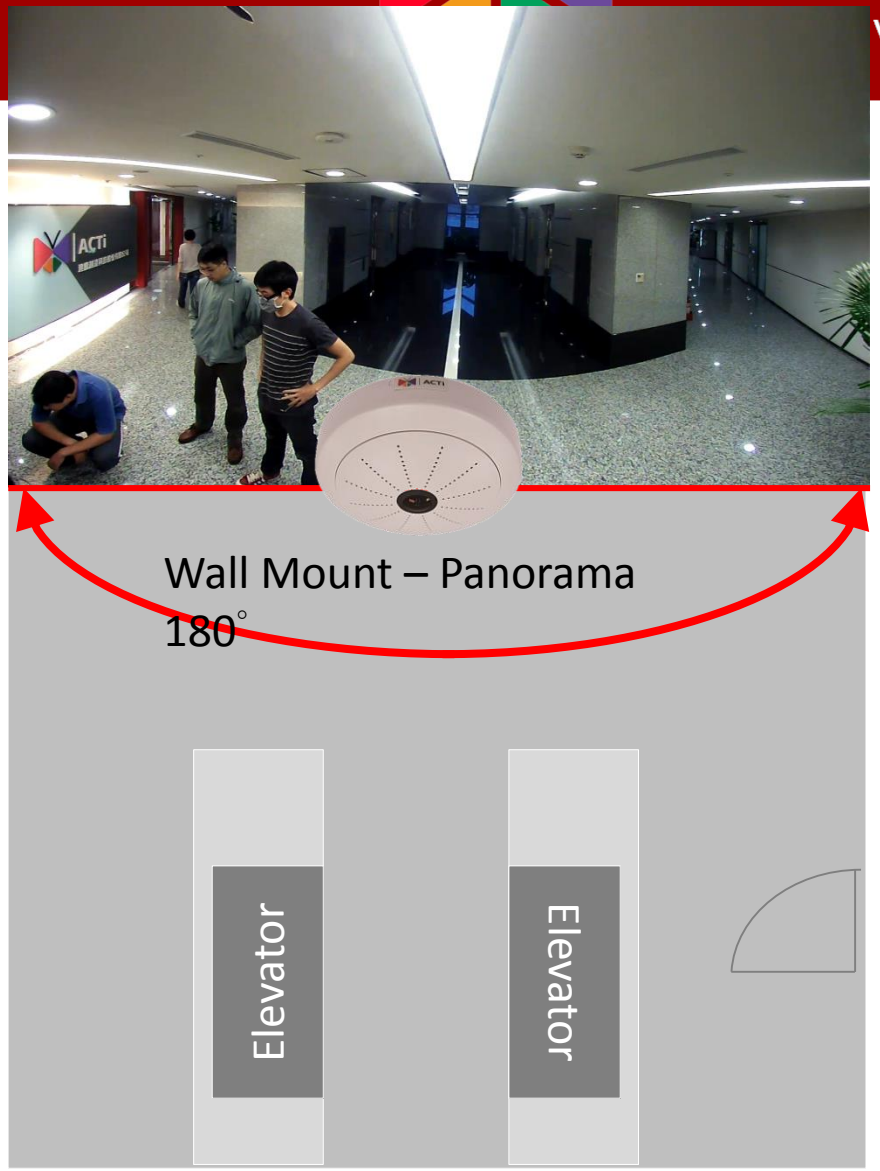
IP66

Panorama 180° (Wall mount)

ACTi Vision

One Hemispheric Camera replaces five standard cameras





See Everything At Once

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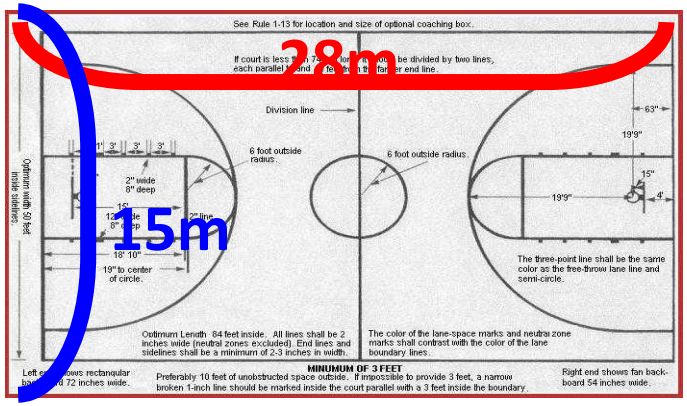
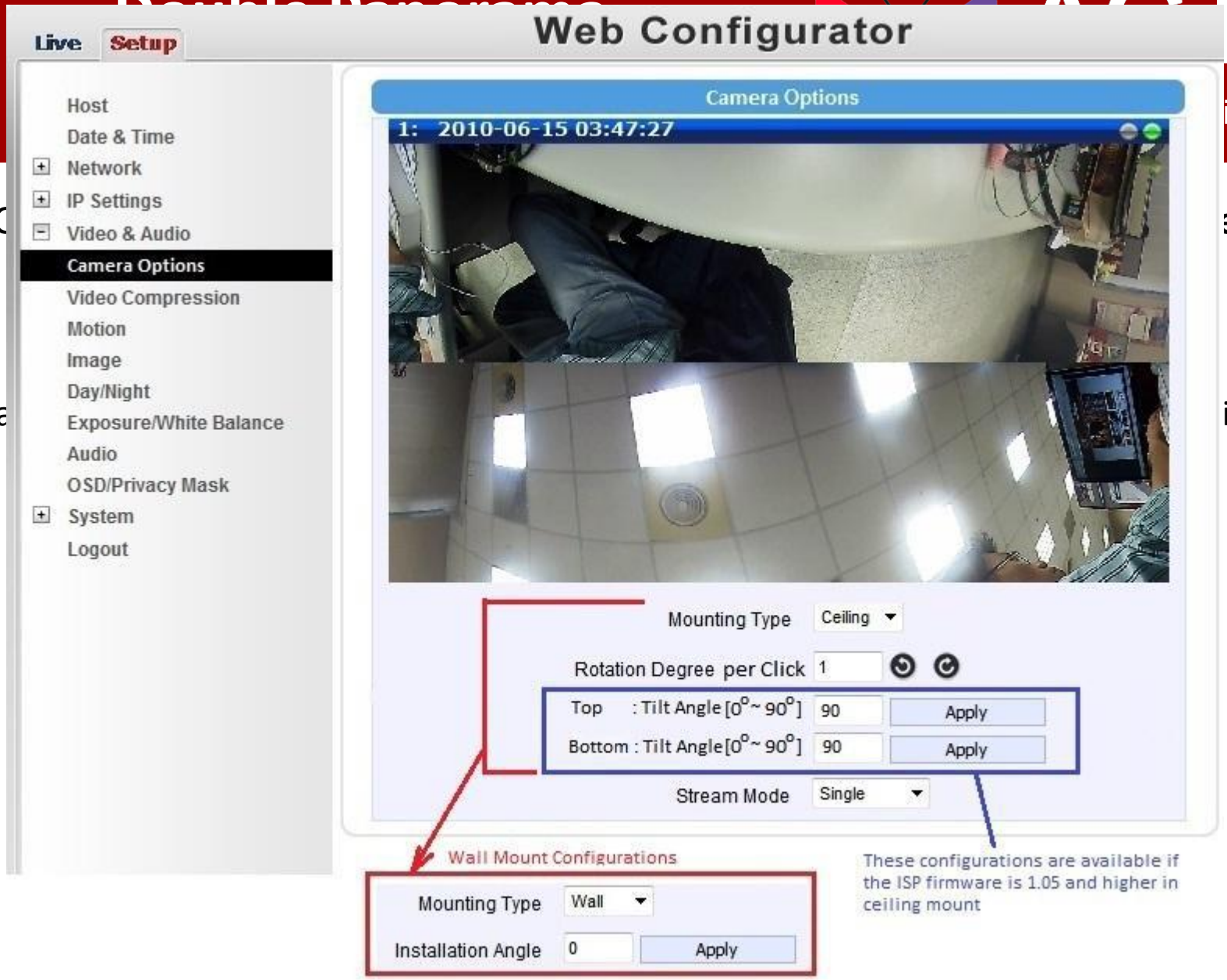

28m
15m
See Rule 1-13 for location and size of optional coaching box.
Division line
6 foot outside radius.
6 foot outside radius.
63"
19'9"
15"
4'
19'9"
19" to center of circle.
The three-point line shall be the same color as the free-throw lane line and semi-circle.
Optimum Length 84 feet inside. All lines shall be 2 inches wide (neutral zones excluded). End lines and sidelines shall be a minimum of 2-3 inches in width.
The color of the lane-space marks and neutral zone marks shall contrast with the color of the lane boundary lines.
MINIMUM OF 3 FEET
Preferably 10 feet of unobstructed space outside. If impossible to provide 3 feet, a narrow broken 1-inch line should be marked inside the court parallel with a 3 feet inside the boundary.
Right end shows fan backboard 54 inches wide.


Live
Setup
Web Configurator
Host
Date & Time
Network
IP Settings
Video & Audio
Camera Options
Video Compression
Motion
Image
Day/Night
Exposure/White Balance
Audio
OSD/Privacy Mask
System
Logout
Camera Options
1: 2010-06-15 03:47:27
Mounting Type
Ceiling
Rotation Degree per Click
1
Top : Tilt Angle [0°~ 90°]
90
Apply
Bottom : Tilt Angle [0°~ 90°]
90
Apply
Stream Mode
Single
Wall Mount Configurations
Mounting Type
Wall
Installation Angle
0
Apply
These configurations are available if the ISP firmware is 1.05 and higher in ceiling mount

e View

Fisheye View integrates with ACTI NVR 3.0!!!!

Many Eyes - 6x VGA

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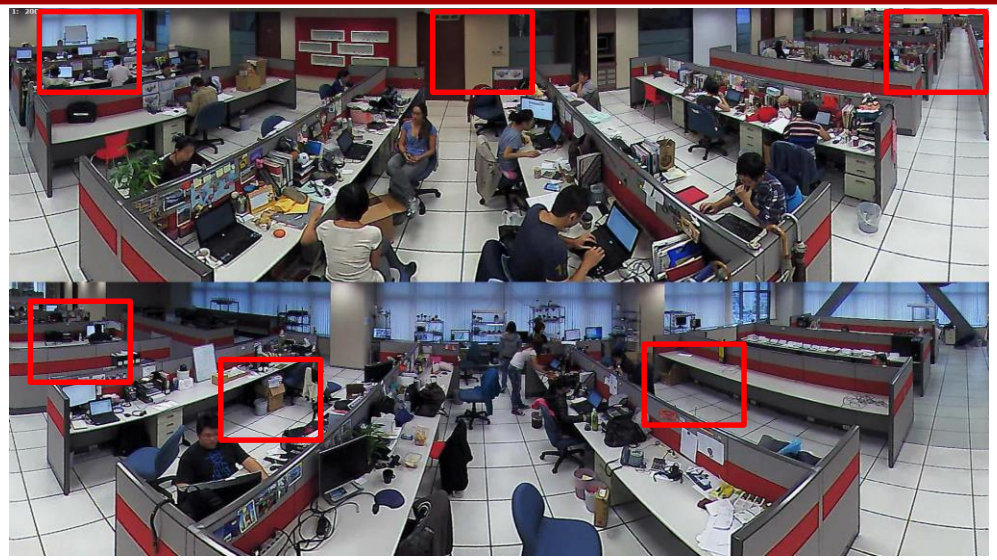
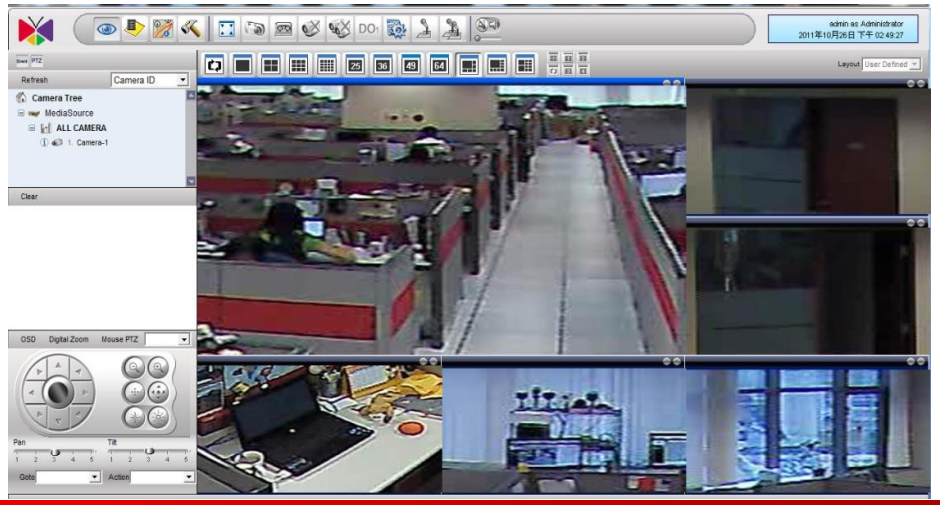


Focus Monitor:
Allow you to focus on six scenes in parallel.



Case Study at Thailand

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- End user: Ratchbhat Surat University
- Installation Date: 1st week of Aug.
- Solution: 10 units of KCM-7911 and NVR 3.0

Outdoor Low Light AF Box

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2 MP	• 1080pHD 15fps; 720pHD 30fps
18x/22x Zoom	• Optical zoom 18x (f4.7-84.6 mm / F1.6 ~ 2.8) and 22x (f3.2-83mm/ F1.6~3.8) • Auto Focus
Superior Low Light	• Low Sensor(KCM-5611)
High C/P	• Affordable price for outdoor selection! (KCM-5511)
Image Processor	• **AWDR , 2D+3D DNR** • **Defogging** • **Edge enhancement** • **Adaptive Profile**

KCM-5611/5511

Best Applications

- City Surveillance
- Parking lot

Durable Outdoor Versatility

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- HD Quality for security purpose
  - Clear license plates and faces
- Zoom IN and OUT are clear:
  - 18x/22x Zoom remotely
  - Auto Focus Like PTZ
- Enhanced Image
  - ExDR → Advanced WDR
  - 2D+3D DRN

Superior Low Light Performance(KCM-5611)

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Case study at India

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- End user: TaTa power
- Installation: 2012~now
- Solution: 400 units KCM-5211E/100 units KCM-7311

TATA
TATA POWER

National Electricity Corporation in Sudan

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ACTi unified solution deploied to secure National Electricity Corporation
Location: **Sudan**
Project realization: Dec 2011

✓Impressive superior video quality
✓Reliability of total solution

System design
Hardware: 284 x KCM-5211E
128 x KCM-3911
Software: Milestone
79 sites in nation wide

Indoor/Outdoor AF Dome Camera

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P-iris	• Precision iris control
4 MP	• 4MP 8fps; 1080pHD 15fps; ; 720pHD 30fps • 4 cropped regions replaces 4VGA cameras
Remotely Zoom	• Optical zoom 3.6x (f3.3-12mm / F1.4) • Auto Focus
Image Processor	• **AWDR, 2D+3D DNR** • **Defogging** • **Edge enhancement** • **Adaptive Profile**
Outdoor application	• **IP66/Vandal proof (KCM-7311)**

KCM-3311/7311

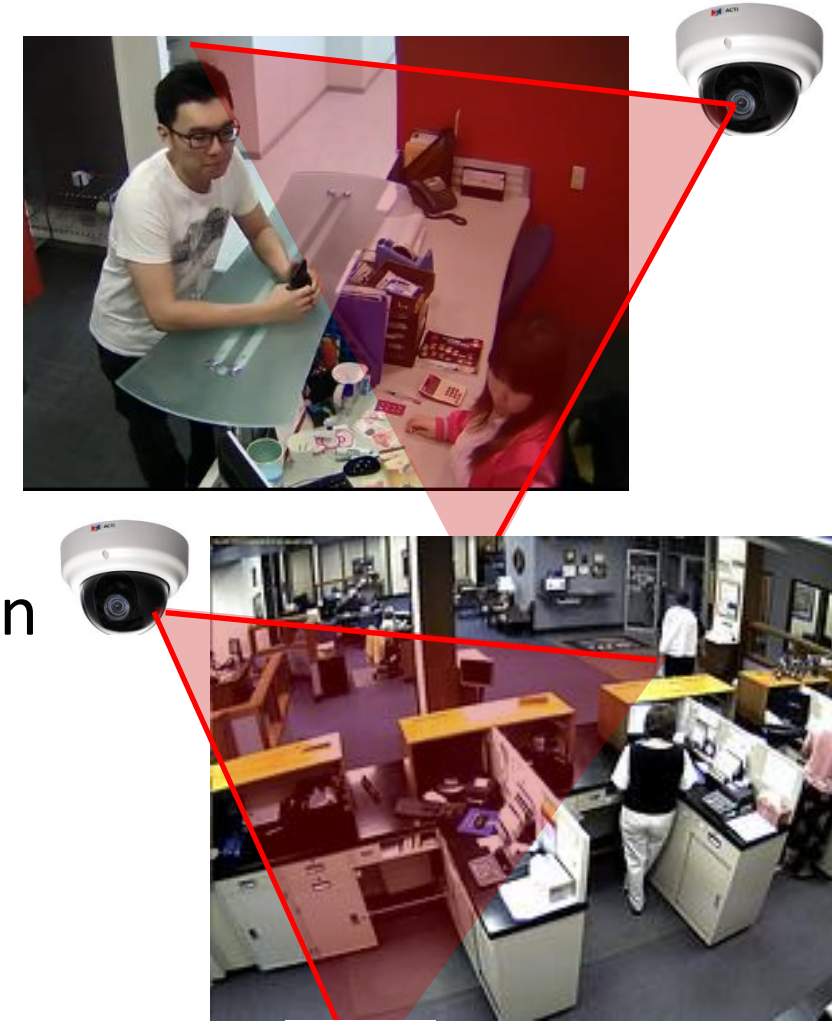
Best Applications

- Bank teller window
- Store surveillance
- Entrance Monitoring

Discrete Indoor Clarity

ACTi
Connecting Vision

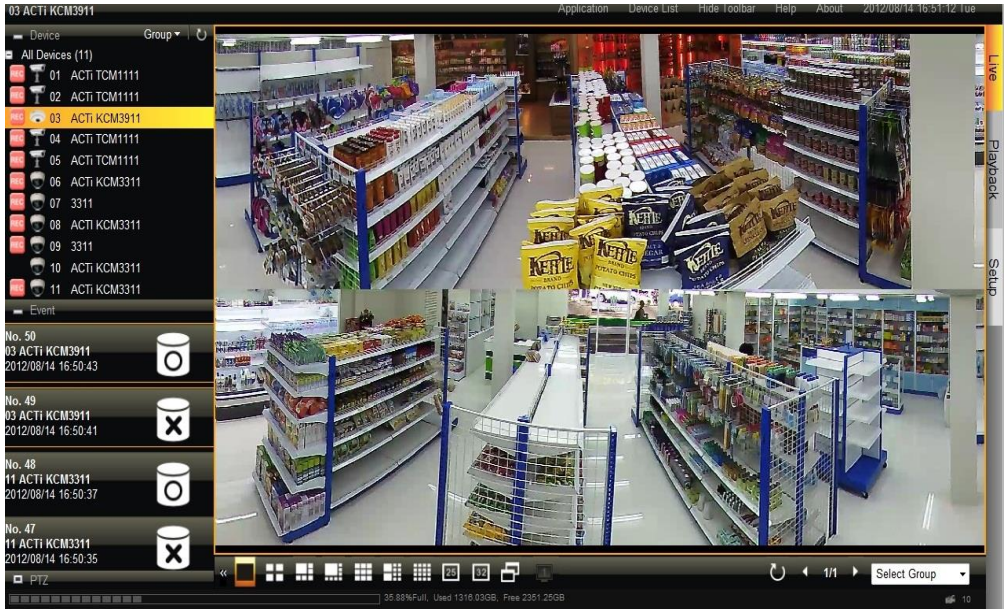
- 3.6x Zoom
  - Save time on every camera installed
- P-iris
  - Best depth of field
  - fastest aperture correction
- 4 Megapixel
  - High resolution for facial and object identification



Case Study-Thailand

ACTi
Connecting Vision

- End user: Bamboo Mart
- Installation: from Aug 2012 unit now



Each Site is about 10-11 units.

- 4 units TCM-1111
- 6 units KCM-3311/1 unit KCM-3911
- NVR 3.0 under 16 channels free!

Benefit to use ACTi solution:

a. Unified solution no integration issue
b. KCM-3911 offers wide coverage
c. KCM-3311 offers good clarity and flexible zoom function
d. TCM-1111 is cost effective MP outdoor selection
e. NVR 3.0 gives friendly inter face and support iOS system.

Indoor PTZ

ACTi
Connecting Vision

2MP	• 1080p HD 15fps; • 720p HD 30fps
18x PTZ	• Optical zoom 18x (f4.7-84.6 mm / F1.6 ~ 2.8) • Auto Focus • Autoflip
Image Processor	• **AWDR, 2D+3D DNR** • **Defogging** • **Edge enhancement** • **Adaptive Profile**
Sensitivity	• 0.05Lux at F1.6
Power Supply	• DC 12V(included) • High POE Injector(Optional)

KCM-8111/8211

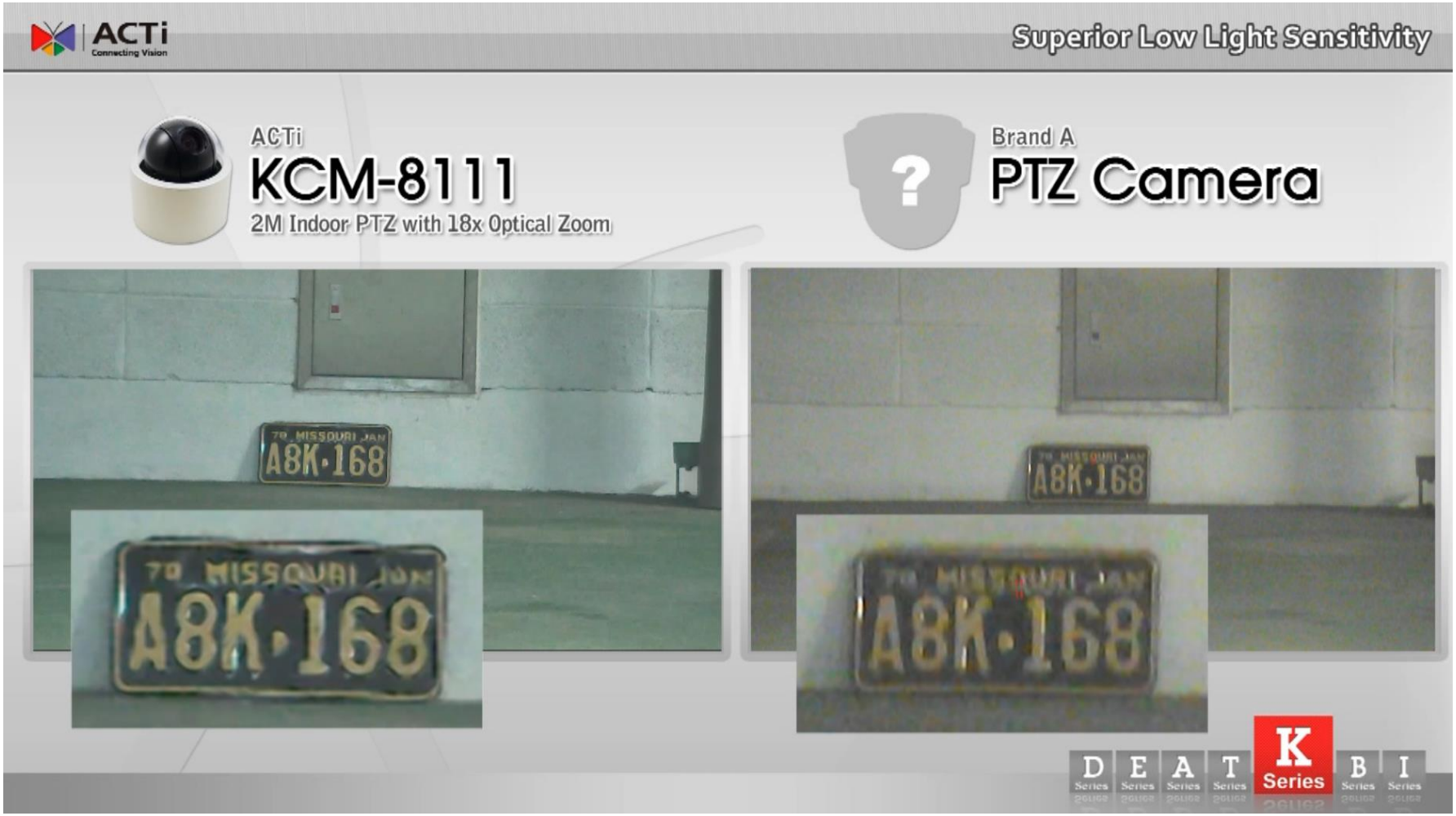
Best Applications

- Bank
- Hotel
- Government
- Warehouse
- Transportation

Click for Video (need Internet)

Image Performance

ACTi
Connecting Vision



Full HD PTZ/Speed Dome Comparison

ACTi
Connecting Vision

	ACTi KCM-8111	ACTi KCM-8211	Axis Q6035	Axis Q6035E	Vivotek SD8362E
Indoor/outdoor	indoor	indoor	indoor	outdoor	outdoor
Optical Zoom	18x	18x	20x	20x	20x
Resolution	15fps@2MP		30fps@2MP		30fps@2MP
Compression	H.264 /MPEG4 /MJPEG		H.264 /MJPEG		H.264 /MPEG4 /MJPEG
D/N	v		v		v
WDR	v		v		V
SD Card	v		v		v
PoE	High PoE C (IEEE802.3af)	High PoE C (IEEE802.3af)	High PoE C (IEEE802.3af)		High PoE C (IEEE802.3af)
Specialty	*Entry Level Cost For Good image Quality	*Entry Level Cost For Good image Quality	*Audio Detection		*Audio Detection

VMS solution

ACTi
Connecting Vision

NVR

A. NVR 3.0 Enterprise

B. NVR 2.3 Enterprise

C. NVR 2.3 Professional

CMS

A. CMS 2.0 (New for NVR 3.0, available in Q2)

B. CMS 1.1 (old, for NVR 2.3)

ENR

A. ENR-1000 (4ch)

B. ENR-1100 (9ch)

C. ENR-1200 (16ch)

D. ENR-2000 (16ch)

GNR

GNR-3000 (64ch)

VMS comparison

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Type	Software NVR			Hardware NVR	
	NVR professional	NVR Enterprise	NVR Enterprise	ENR series	GNR
Version	2.3	2.3	3	1000/1100 /1200/2000	3000
OS	Windows OS			Lunix	Windows OS (NVR 3 Preloaded)
PC installation	yes			No	No
Support D/E	partly	partly	yes	yes	yes
Free bundled	64ch	16ch		4/9/16(2 bays)/16(4 bays)	64 ch
Max Ch recording	64ch			4/9/16	64 ch
Client visit	No	Yes			
Mobile Client	No	No	Yes	Coming soon	Yes

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New Software Base NVR

NVR 3.0

Software Network Video Recorder (NVR) v3.0

ACTi
Connecting Vision

- Manage up to 64 IP cameras
- PTZ and speed control, preset points and tours
- E-maps with camera icons and mini live view
- Scheduled, even triggered, and manual recording
- Unlimited number of remote clients using web browser, mobile device, or PC installation program

Up to 64 channels synchronized playback

Instant playback in live view window

Friendly User Interface

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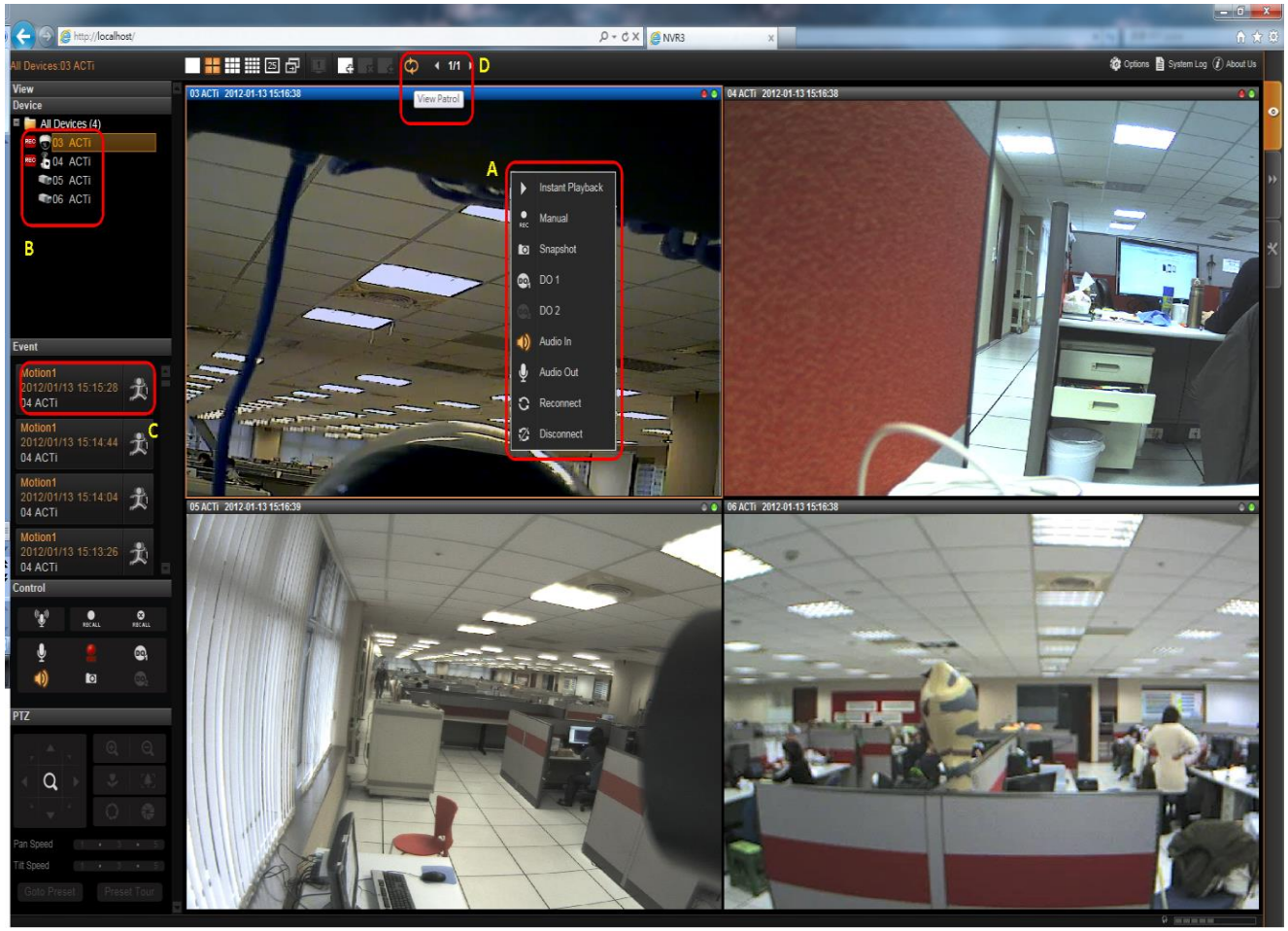
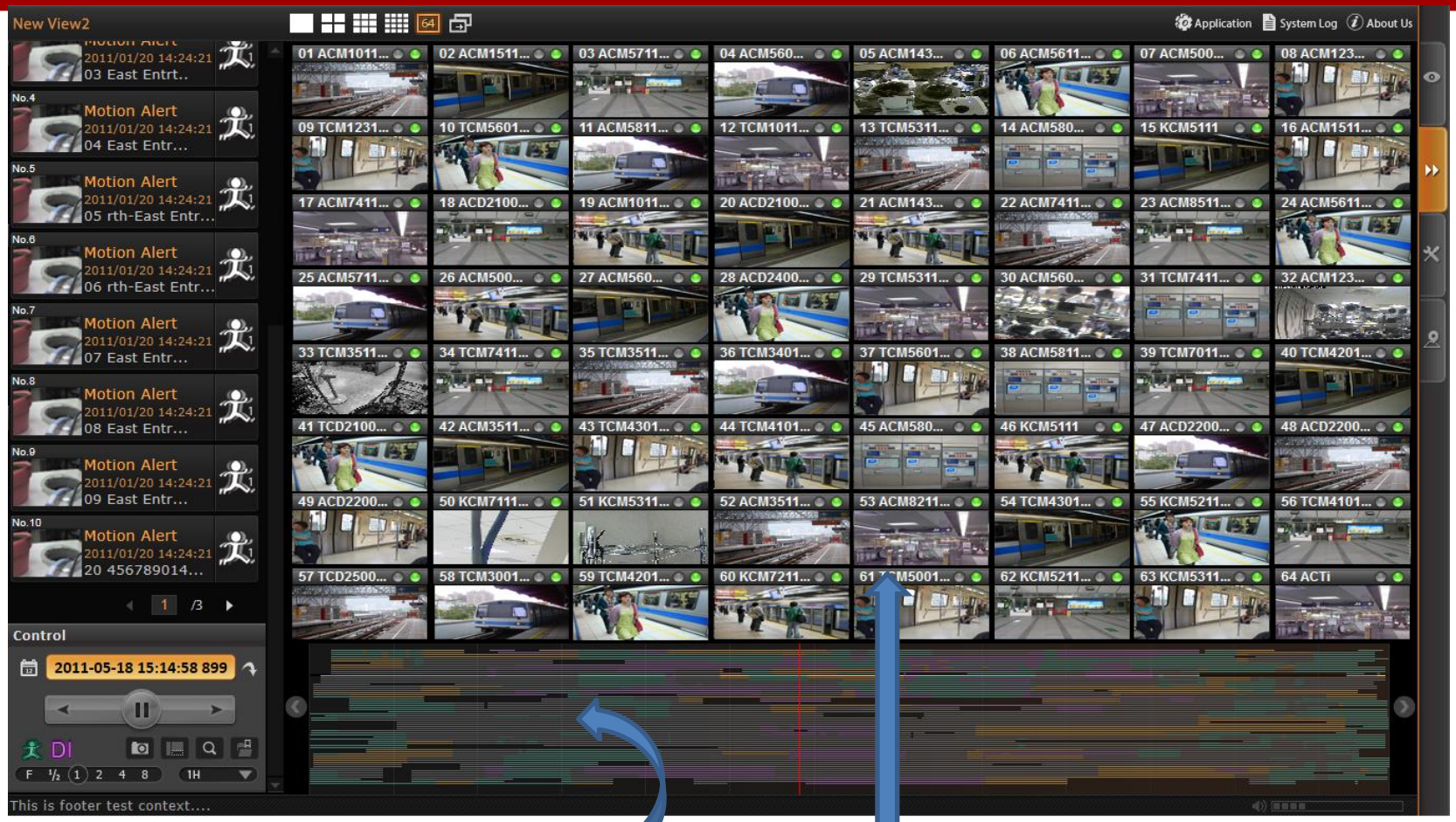
Connecting Vision



A. Right click function key
B. Camera status on device tree
C. Event message panel
D. Mouse-over tips

64 ch Sync Playback

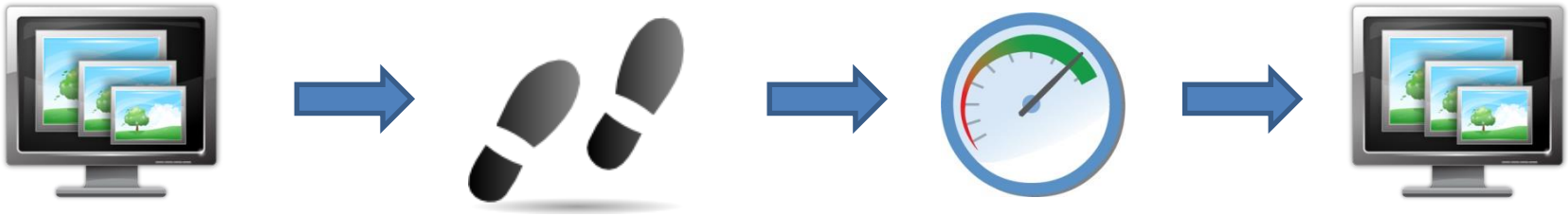
ACTi
Connecting Vision



Time based search bar

Synchronized & continuous playback

Speed Up



No event
Record with 1 FPS

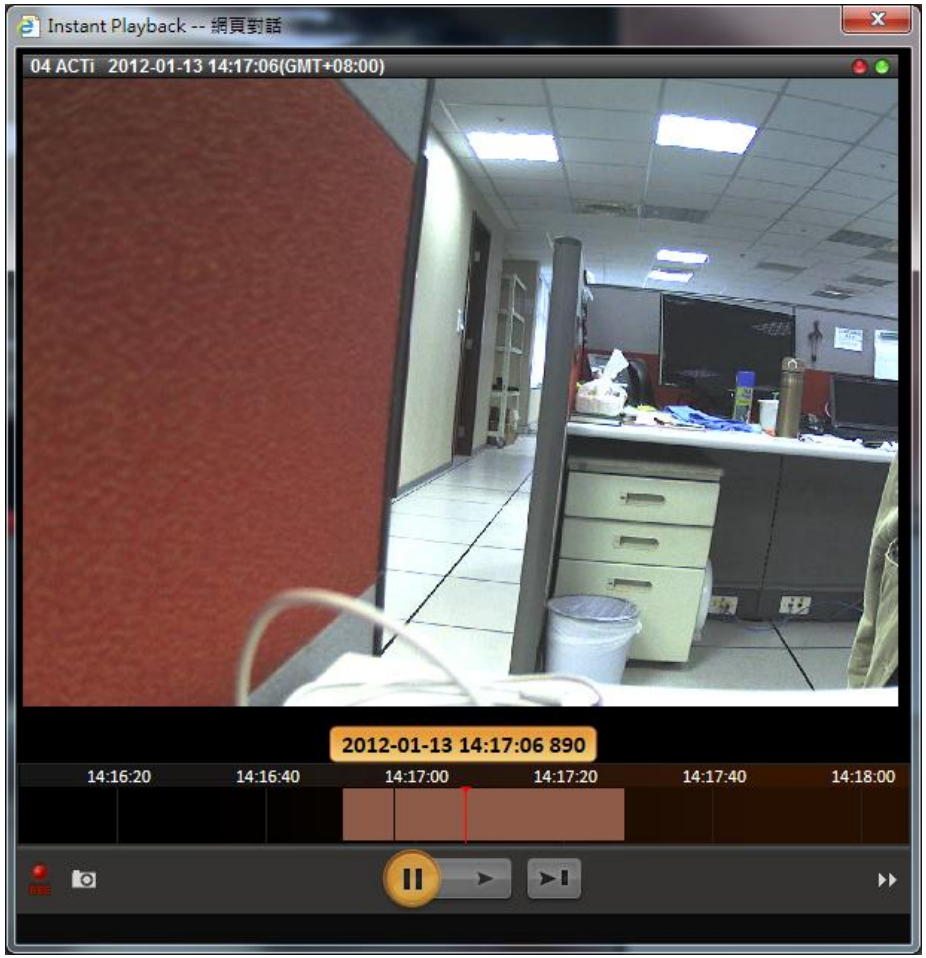
Event triggered

Speed up triggered

Record with Full FPS

- Save storage & bandwidth and have full time recording simultaneously
  - All evidences are preserved in an efficient way
- MJPEG – Can speed up from any FPS to full FPS
  H.264/MPEG4 – Can only speed up from 1 FPS to full FPS
- Milestone's speed up only applied on MJPEG
  - MJPEG is not commonly used codec

Instant Playback



- Playback in live view page
  - One click away only
- Pop out window
  - Will not miss either live view or playback
- Snapshot available

Active Directory

- Unified account & password for corporate user
- Easy management & maintenance
  - If account is removed from AD, no need to remove again in NVR server
- Higher security level
  - Authentication at AD server

Stable	
Easy Use	
Easy Maintain	Y

ACTi NVR 3.0 vs Others

ACTi
Connecting Vision

	ACTi NVR3	MileStone	NUUO
Active Directory Server	V	V	V
Instant Play Back	V	V	V
Over 4 Channels Play Back	V	V	V
User Friendly UI with Professional Functions	V	V	V
Speed UP	V	V	V
Unified Solution	V		
Flexible Price	V		

*Professional Level NVR With Free Bundle 16 Channels

*Upgrade Version up to 64 Channels

*Installation within 1 minutes with only 5 clicks

*Unified Solution with worry-free one stop shopping and support

ACTi
Connecting Vision

New Hardware based NVR

4 ch/9ch/16 ch/64ch

New! ENR series

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Connecting Vision

Model	ENR-1000	ENR-1100	ENR-1200	ENR-2000	GNR-3000
Max. Camera	4	9	16	16	64
Availability	Now	Now	Q3	Q3	Now
System	Linux	Linux	Linux	Linux	Windows
Recording	4 channels at 1080p/30fps	9 channels at 1080p/30fps	16 channels at 1080P/30fps	16 channels at 1080p/30fps	64 channels at 5MP/15fps
HDD interface	2 SATA HDDs	2 SATA HDDs	2 SATA HDDs	4 SATA HDDs	5 SATA HDDS(1 system HDD)
Display port	HDMI	HDMI	HDMI	HDMI	VGA
DHCP support	Yes	Yes	Yes	Yes	No
Remote Client	IE 8 or 9	IE 8 or 9	IE 8 or 9	IE 8 or 9	IE, NVR 3.0 Workstation
Mobile Client	Coming	Coming	Coming	Coming	iOS

Software Product Position

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Connecting Vision

		Hardware NVR	Software based NVR
Single Site with Multiple Channels	64ch	GNR-3000	NVR 3.0
Single Site Small-CH	16ch	Q2 2013 Standalone NVR ENR-1200 and ENR-2000	16 ch free in NVR 3.0
	9ch	Standalone NVR ENR-1100 HDMI HDMI	
	4ch	Standalone NVR ENR-1000	

NEW CMS 2.0 (Preliminary Stage)

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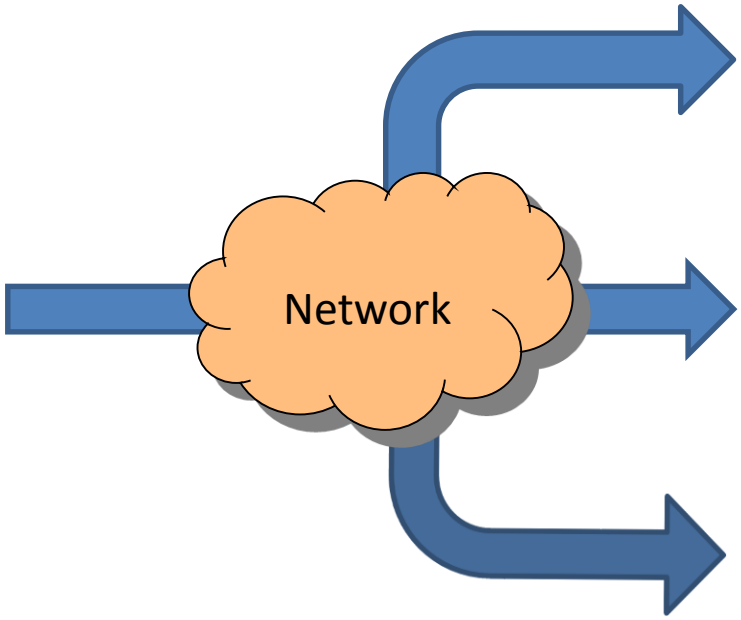
CMS system Architecture:

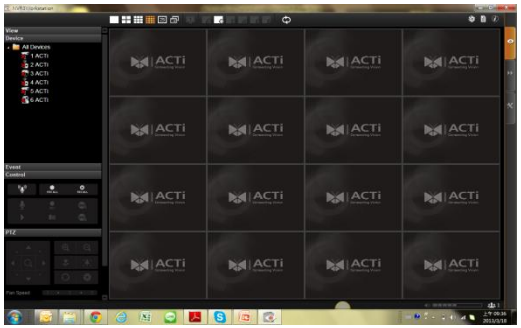


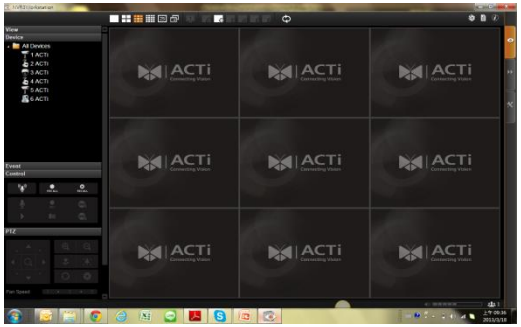
NVR 3.0

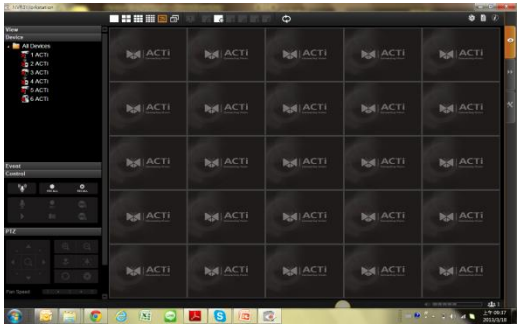
GNR-3000

ENR-series
(Future)

How does CMS 2.0 work?







To buy the number of channels you like the most

To Manage the number of servers you have

To Monitor the number of Channels what you expect

ACTi and 3rd party Vendor

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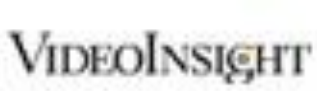
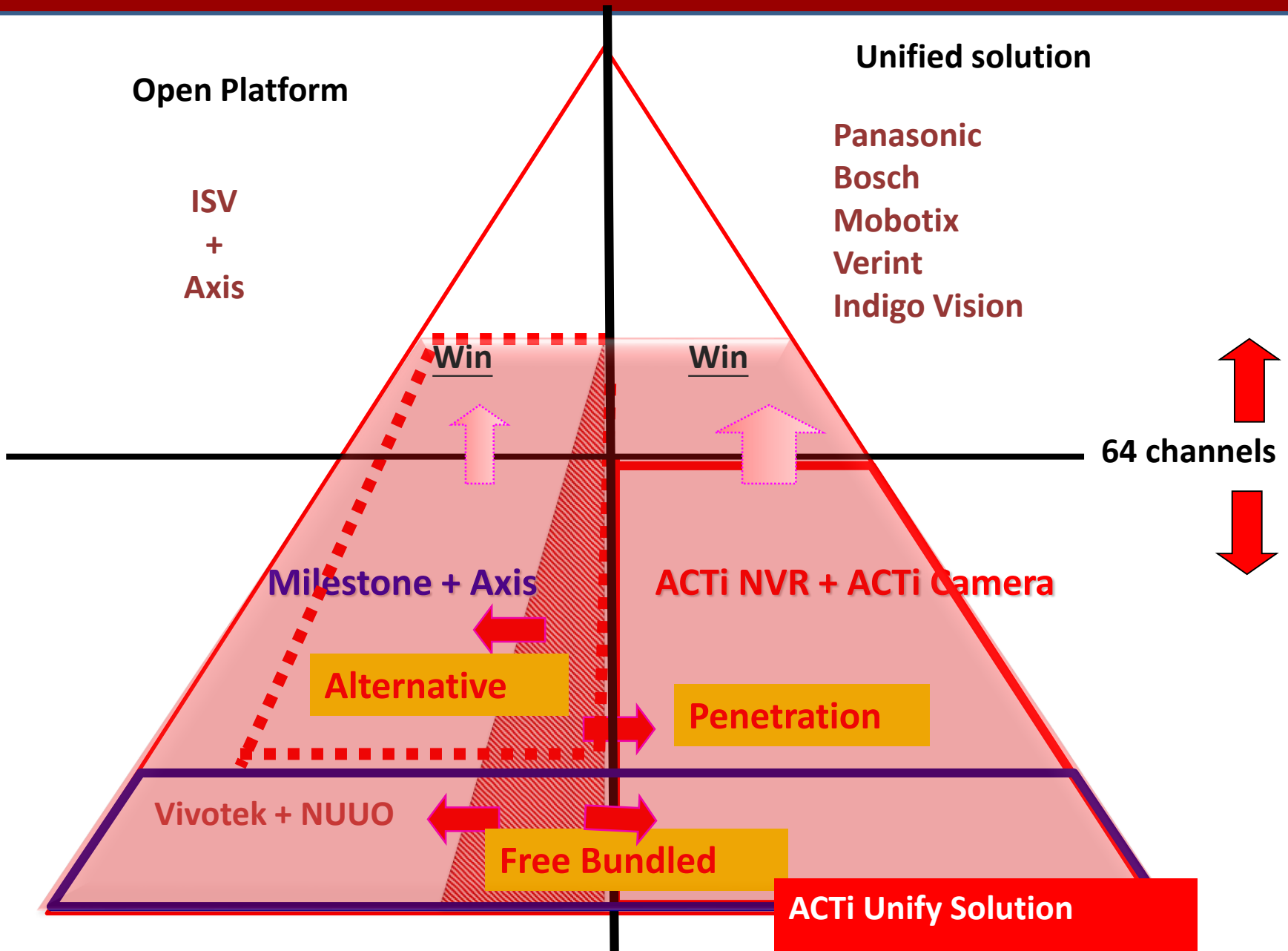
VMS Partners – Partial List



Win Project with ACTi Solution



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Acti Support and Project Tools

ACTi

Connecting Vision

SI Tools

Version 1.0

Product selector

ACTi Vision

ACTi Connecting Vision

	E44	KCM-5511	KCM-5611
Model	E44	KCM-5511	KCM-5611
Product Type	Bullet Camera	Box Camera	Box Camera
Maximum Resolution	2MP	2MP	2MP
Application Environment	Indoor/Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS with Superior Low Light Sensitivity	Progressive Scan CMOS	Progressive Scan CMOS with Superior Low Light Sensitivity
Day / Night	Yes	Yes	Yes
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6
Mechanical IR Cut Filter	Yes	Yes	Yes
IR LED	Yes	Yes	Yes
Lens	Vari-focal, f2.8-12mm / F1.4, Fixed iris	Zoom, f3.2-83mm / F1.6-3.8, DC iris	Zoom, f4.7-84.6mm / F1.6-2.8, DC iris
Lens Mount	Board mount	Board mount	Board mount
Horizontal Viewing Angle	92.5°-35.2°	61.2°-2.5°	48.9°-3.6°
Compression	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 640 x 480	15 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 640 x 480	15 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 640 x 480

Storage calculator

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Connecting Vision

Different ways to manage storage plan:		Amount of Cameras	Bitrate of each camera (Mbps)	Recording hours per day	Storage Space (TB)	Keep stored videos (days)
Case 1:	How big storage space is needed?	30	1.5	24	**13.90**	30
Case 2:	How many days can video be stored?	1	3	24	6	**194**
Case 3:	What is the bitrate (best possible video quality) that can fulfill the storage requirement?	1	**19.42**	24	6	30
Case 4:	How many cameras can be used under given conditions?	**6**	3	24	6	30
Case 5:	How many recording hours per day can fulfill the storage requirement?	10	3	**15.53**	6	30

Mounting Accessory Selector

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		KCM-7111	Vertical Pole	Accessory Set (face down)		
		KCM-7311	Horizontal Pole	Pendant		
		TCM-7x11	Corner	Accessory Set (face down)		

Camera Series	Example Models	Target Surface	Mounting Method	Mounting Solution Description	Required Additional Mounting Accessories	Cabling Solutions
Outdoor Hemispheric	KCM-7911	Tilted Wall	Surface	Camera installed directly onto the wall.	No accessories are needed.	1. Through the hole of the wall, entering the camera from the bottom. 2. Along the wall, entering camera through its side hole. **Waterproof installation notice:** Remember to use the flex conduit for outdoor cabling.
			Rough Surface	When the surface is too rough, the additional surface mount plate can be used.	**Hemispheric Camera Surface Mount** PMAX-0802	1. Through the hole of the wall, then through the hole of surface mount plate, entering the camera from the bottom. 2. Along the wall, entering camera through its side hole. **Waterproof installation notice:** Remember to use the flex conduit for outdoor cabling.
PTZ	Indoor PTZ	KCM-8111	Hard Ceiling	Surface, Pendant		
			Dropped Ceiling	Surface, Flush		
			Straight Wall	Accessory Set (face down)		
			Vertical Pole	Accessory Set (face down)		
			Horizontal Pole	Pendant		
			Corner	Accessory Set (face down)		

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Current Video

Indoor PTZ KCM-8111 : The best low light quality and super fast presets

2013/1/15 Download (mpg, 349.2 MB)

KCM-8111 is the 18x optical zoom indoor PTZ with three most important features:

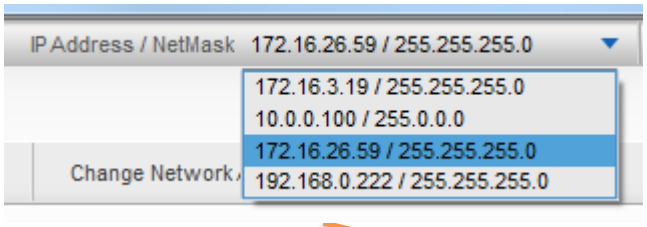
- Excellent video quality up to Full HD 1080p resolution
- High speed pan / tilt / 18x zoom and amazing auto focus
- Superior Low Light Sensitivity

The video clip contains the side-by-side comparison with other brands regarding the three aspects above.

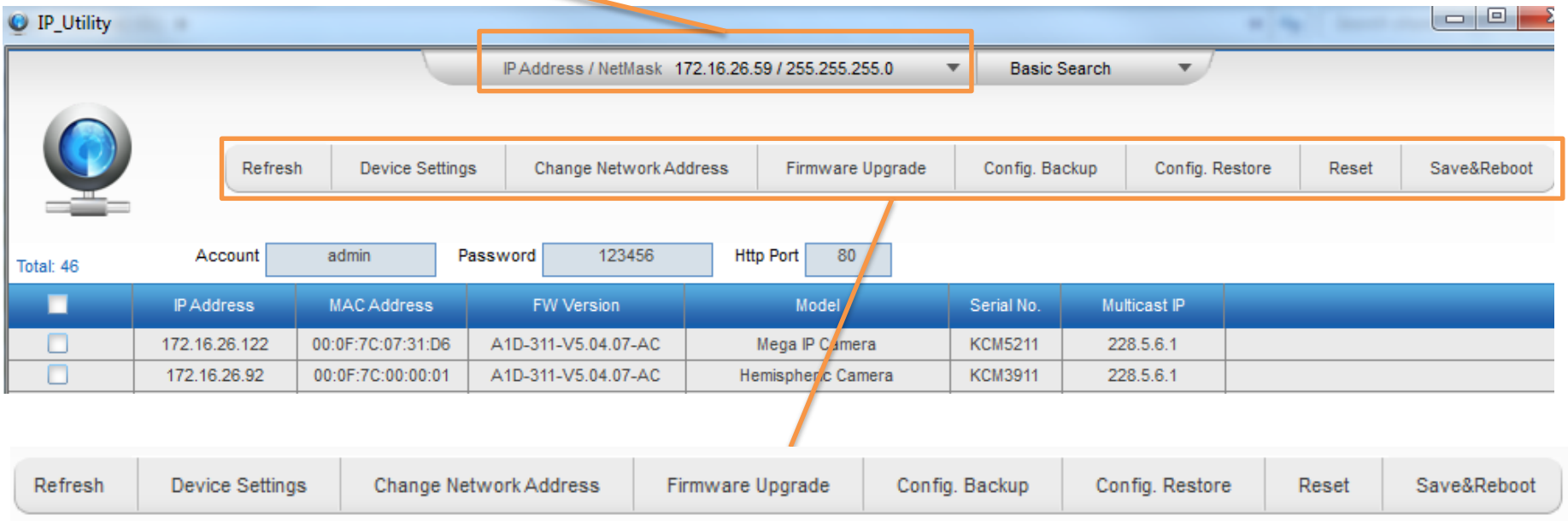
Camera settings: 1920x1080, H.264, 15 fps, 4Mbps, others are default

Cameras and Encoders

IP Utility



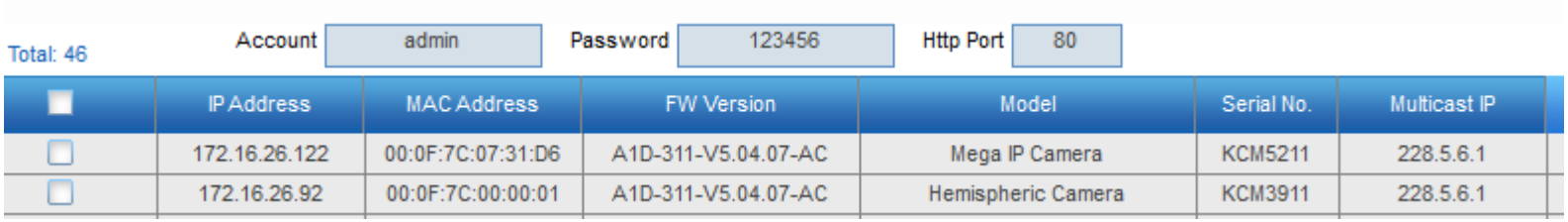
Available IP addresses. Select one to search cameras within the network.

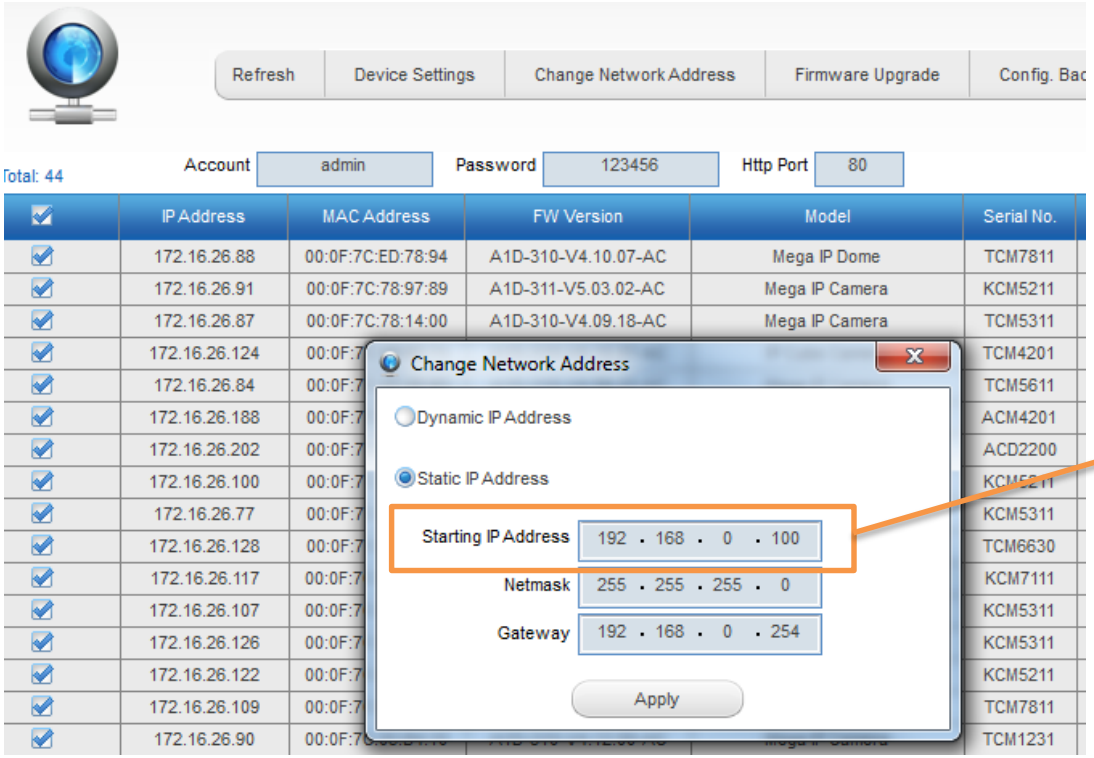


Menu that will allow us to backup camera settings, do the firmware upgrade, or do a new search.

IP Utility

Camera's information (MAC Address, Fw version, Model, Serial Number…)





Select the starting IP address and the utility will auto assign automatically the addresses.

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Product Matrix and Partner Zone

Version 1.0

Product Matrix

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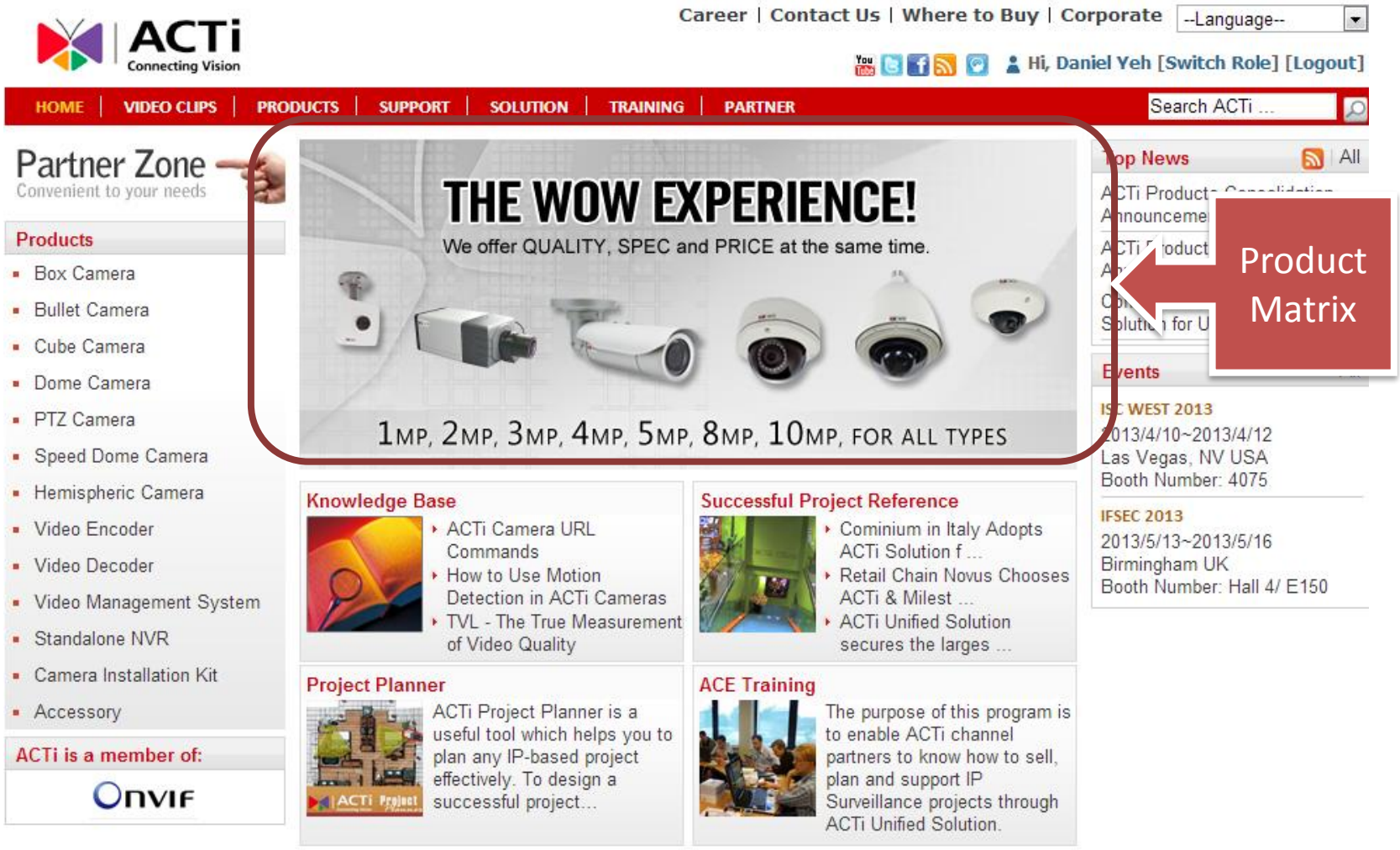
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Career | Contact Us | Where to Buy | Corporate
--Language--
Hi, Daniel Yeh [Switch Role] [Logout]
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Products
Box Camera
Bullet Camera
Cube Camera
Dome Camera
PTZ Camera
Speed Dome Camera
Hemispheric Camera
Video Encoder
Video Decoder
Video Management System
Standalone NVR
Camera Installation Kit
Accessory
ACTi is a member of:
ONVIF
THE WOW EXPERIENCE!
We offer QUALITY, SPEC and PRICE at the same time.
1MP, 2MP, 3MP, 4MP, 5MP, 8MP, 10MP, FOR ALL TYPES
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All
Product Matrix
Events
ISC WEST 2013
2013/4/10~2013/4/12
Las Vegas, NV USA
Booth Number: 4075
IFSEC 2013
2013/5/13~2013/5/16
Birmingham UK
Booth Number: Hall 4/ E150
Knowledge Base
ACTi Camera URL Commands
How to Use Motion Detection in ACTi Cameras
TVL - The True Measurement of Video Quality
Successful Project Reference
Cominium in Italy Adopts ACTi Solution f ...
Retail Chain Novus Chooses ACTi & Milest ...
ACTi Unified Solution secures the larges ...
Project Planner
ACTi Project Planner is a useful tool which helps you to plan any IP-based project effectively. To design a successful project...
ACE Training
The purpose of this program is to enable ACTi channel partners to know how to sell, plan and support IP Surveillance projects through ACTi Unified Solution.

Product Matrix

ACTi
Connecting Vision

		Product Type	Cube		Box				Bullet			
		Lens	Fixed		Fixed		Vari-focal		Fixed		Vari-focal	
Product Position		Platform	D	E	D	E	D	E	D	E	D	E
PS1	Day Only	1MP	D11	E11								
		1MP Low Light										
		2MP Low Light										
		3MP	D12	E12								
		5MP		E13								
PS2	Day & Night	1MP			D21 with fixed lens	E21 with fixed lens	D21 with vari-focal lens	E21 with vari-focal lens	D31	E31	D41	E41 E41A
		3MP							D32	E32	D42	E42 E42A
		5MP			D22 with fixed lens	E22 with fixed lens	D22 with vari-focal lens	E22 with vari-focal lens		E33		E43 E43A
PS3	Super Low Light	1MP										
		2MP						E23				E44
PS4	Complicated Light	1MP										E45

Partner Zone

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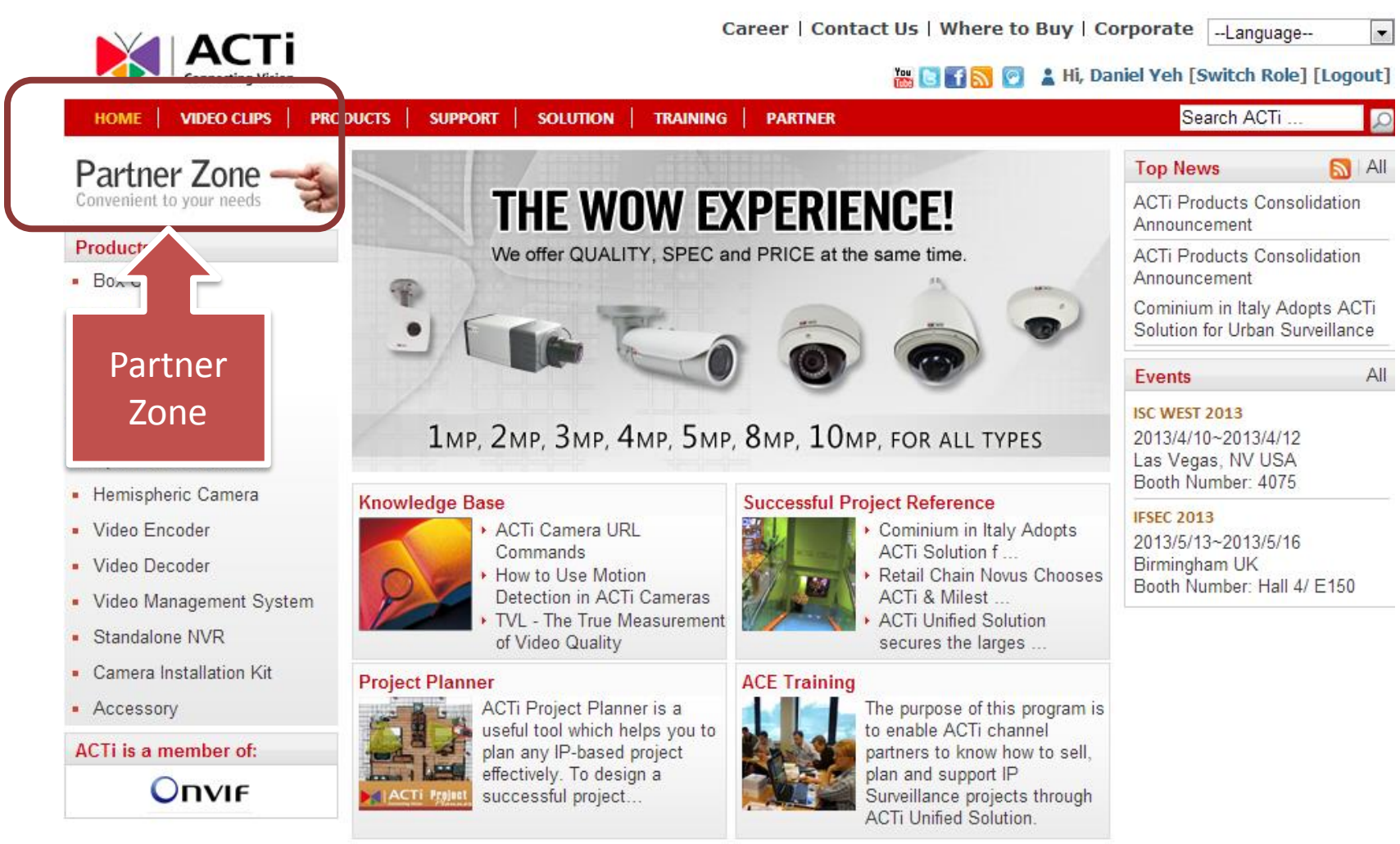
Connecting Vision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Video Management System
Standalone NVR
Camera Installation Kit
Accessory
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All
ACTi Products Consolidation Announcement
ACTi Products Consolidation Announcement
Cominium in Italy Adopts ACTi Solution for Urban Surveillance
Events
All
ISC WEST 2013
2013/4/10~2013/4/12
Las Vegas, NV USA
Booth Number: 4075
IFSEC 2013
2013/5/13~2013/5/16
Birmingham UK
Booth Number: Hall 4/ E150

Partner Zone

ACTi
Connecting Vision

Model		D11	D21 with fixed lens NEW	D22 with fixed lens NEW	D31
Product Content	Datasheet	Download			Download
	A&E				Download
	CE&FCC, IP66, Vandal, MTBF				Download
	Selection Guide NEW	Download			Download
Sales Kit	Roadmap	Download			Download
	Sales Kit (Power Point)				Download
	Video Clips				2013/4/3
ISV Integration Mappin Table	VMS integration Status NEW	Download			Download

Data Sheet
A&E
Certificate
Selection Guide

Roadmap
Sales Kit
Video comparison
VMS integration

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What Can the CHD offer you?

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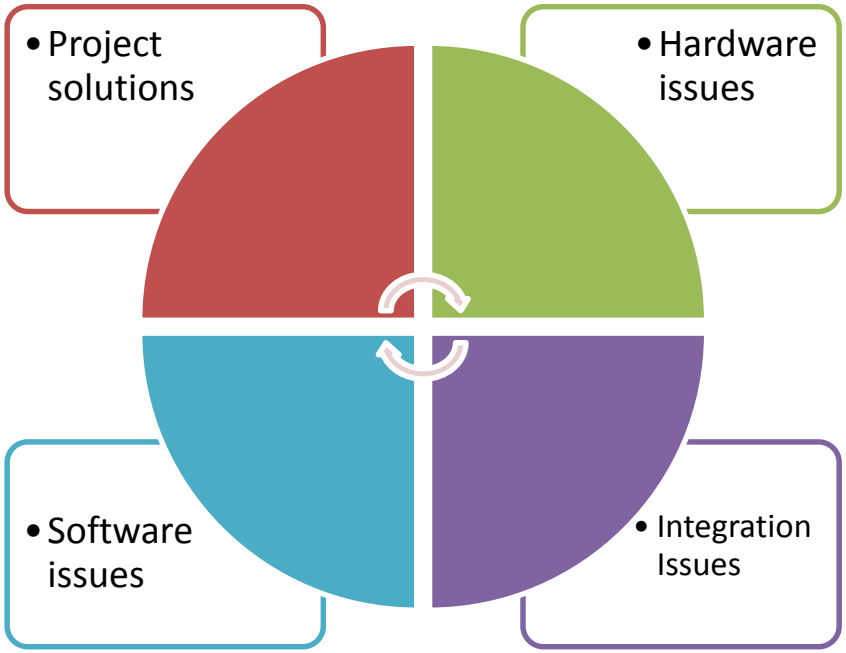
Support to all your technical requests through one single platform



Why Should you use our CHD?

ACTi
Connecting Vision

•Easy to use:
Solve all your Technical requests in one platform

•5 Days / 24 Hours:
You can issue your request any time and you will receive a prompt response within 24 hours

•No Language Barrier:
Our Engineers can speak various languages, so you can speak your own language to communicate with us.

•CHD records management:
You can check the status of the active CHD case you've published.
You can also track your Closed cases.

•A window to all our Engineering team:
All of the Engineers from our team have access to the CHD platform, therefore through the CHD we can make sure that the best Engineer with the best knowledge on the matter provides an accurate and efficient solution.

CHD Troubleshooting flow

ACTi
Connecting Vision

FAE receives the CHD ticket

FAE defines the problem

FAE boundary?

yes

FAE provides a solution

no

Internal Joint troubleshooting

FAE provides a schedule and solution plan

ACTi

Connecting Vision